



August 16, 2021

Mr. Kenneth Rhame
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, SW, 11th Floor
Atlanta, Georgia 30303

Subject: **Emergency Response Letter Report - FINAL**
Celadon Recycling Solutions
Lincolnton, Lincoln County, North Carolina
Contract Number: 68HE0519D0006
Task Order / Task Order Line Item No.: 68HE0419F0082 / 82-020

Dear Mr. Rhame:

The Tetra Tech, Inc. Superfund Technical Assessment and Response Team (Tetra Tech START) is submitting this emergency response letter report summarizing activities conducted on January 15, 2021 at the Celadon Recycling Solutions site (the site) at 288 Whitehouse Drive, Lincolnton, Lincoln County, North Carolina (see Enclosure 1, Figure 1). This report includes four enclosures and one attachment. Enclosure 1 contains figures illustrating the site location and site layout. Enclosure 2 contains the photographic log of response activities. Enclosure 3 contains the logbook notes. Enclosure 4 contains the data validation reports, and Attachment 1 contains the laboratory data packages.

SITE BACKGROUND

During a previously planned sampling event, North Carolina Department of Environmental Quality (NCDEQ) inspectors discovered two releases at the Celadon Recycling Solutions (CRS) facility in Lincolnton, Lincoln County, North Carolina. CRS is a tote recycling building. One release originated in the pit processing building, and a second release, which consisted of a pool of blue liquid, was observed in a tote storage area (see Enclosure 1, Figure 2).

The pit processing building houses two settling pits where liquids and solids from tote washdown water are separated prior to discharge to the plant's 2,000,000-gallon lagoon. An initial investigation by CRS identified a broken valve in a 300,000-gallon equalization tank that allowed liquid glue washdown water to flow to the pit processing building, causing the two pits to overflow and release liquid via overland flow to a wetland area, south of the facility. The wetland area drains to Carpenter Creek.

The "blue water" spill was observed in a drainage ditch north of the lagoon. The ditch flows to a tote storage area on the north side of the facility. The source and composition of the blue water was not immediately evident.

At NCDEQ's request, EPA and Tetra Tech START mobilized to the site on the morning of January 15, 2021. START observed that removal contractors hired by CRS had worked through the night vacuuming impacted wetlands and excavating the blue water from the drainage ditch.

EMERGENCY RESPONSE ACTIVITIES

EPA met with officials from NCDEQ and CRS to be briefed on response activities. After a tour of the site, EPA tasked Tetra Tech START with documenting site conditions and collecting samples of various media from across the site for laboratory analysis.

Tetra Tech START collected three surface water samples from Carpenter Creek to evaluate downstream impacts from the pit processing building release. Tetra Tech START located where runoff from the building entered Carpenter Creek and collected a sample upstream (CRS-SW-UP) and downstream (CRS-SW-DS and CRS-SW-DUP) of the confluence. These samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260D and metals by EPA Methods 6020B and 7470A. Table 1 summarizes the analytes detected in these surface water samples.

Table 1: Surface Water Sample Detections

Analyte	Unit	CRS-SW-UP	CRS-SW-DS	CRS-SW-DUP
		Upstream	Downstream	
<i>Volatile Organic Compounds</i>				
Acetone	µg/L	25 U	25 U	11.9 J
Chloromethane	µg/L	16.5 J	8	5.7 J
<i>Metals</i>				
Arsenic	mg/L	0.63	0.9	1
Barium	mg/L	15.2	17.9	19.1
Chromium	mg/L	0.5 U	0.5 U	0.63
Lead	mg/L	0.12	0.3	0.37
Selenium	mg/L	0.5 U	0.096 J	0.5 U

Notes:

CRS Celadon Recycling Solutions
DS Downstream
DUP Duplicate
J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
mg/L milligrams per liter
µg/L micrograms per liter
SW Surface water
U The analyte was analyzed for, but was not detected at or above the associated value (reporting limit)
UP Upstream

Surface water analytical results show an increase in arsenic, barium, and lead upstream to downstream of the confluence.

Tetra Tech START collected a sample from each pit (“primary” and “secondary”) using a bailer to sample their entire depth. Each pit sample was analyzed for VOCs by EPA Method 8260D and metals by EPA Methods 6020B and 7470A. A summary of detections is presented in Table 2.

Table 2: Pit Sample Detections

Analyte	Unit	CRS- PRIMARY	CRS- SECONDARY
<i>Volatile Organic Compounds</i>			
Acetone	µg/L	5,600	3,500
Styrene	µg/L	1,200	250 U
<i>Metals</i>			
Barium	mg/L	0.237	0.415 J
Cadmium	mg/L	0.005 U	0.0024 J
Chromium	mg/L	0.0812	0.17
Lead	mg/L	0.0186	0.0336
Mercury	mg/L	0.00068 J	0.00066 J
Selenium	mg/L	0.0091 J	0.0147 J

Notes:

CRS Celadon Recycling Solutions
 J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
 µg/L micrograms per liter
 mg/L milligrams per liter
 U The analyte was analyzed for, but was not detected at or above the associated value (reporting limit)

Tetra Tech START collected a sample of the “blue water” that had pooled in the tote storage area. The sample was analyzed for VOCs by EPA Method 8260D and metals by EPA Methods 6020B and 7470A. A summary of detections is presented in Table 3.

Table 3: "Blue Water" Sample Detections

Analyte	Unit	CRS- BLUEWATER
<i>Volatile Organic Compounds</i>		
Acetone	µg/L	356
Styrene	µg/L	173
m&p Xylenes	µg/L	11.1 J-
Naphthalene	µg/L	6 J-
o-Xylenes	µg/L	4.8 J
Tetrachloroethene	µg/L	11.7
Toluene	µg/L	4.9 J
Total Xylenes	µg/L	15.9
<i>Metals</i>		
Arsenic	mg/L	5.7
Barium	mg/L	2,070
Cadmium	mg/L	4.9
Chromium	mg/L	29
Lead	mg/L	78.6 J-
Selenium	mg/L	0.36 J-

Notes:

CRS Celadon Recycling Solutions
J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J- The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample, biased low.
µg/L micrograms per liter
mg/L milligrams per liter

Tetra Tech START collected samples from totes staged across the site. Ten randomly selected totes were selected, labeled “A” through “J,” and moved by CRS personnel to a centralized location for sampling. Tetra Tech START used “drum thieves” to obtain samples of the full profile of the totes for laboratory analysis. A summary of detections is presented in Table 4.

Table 4: Tote Sample Detections

	Metals (mg/kg)			Volatile Organic Compounds (µg/kg)				
	Barium	Lead	Sodium	2-Butanone	Acetone	Methyl Acetate	PCE	Toluene
CRS-TT-A	4.6 U	4.6 U	92 U	25,000 U	25,000 U	20,000	2,500 U	2,500 U
CRS-TT-B	0.39 J	0.18 J	300	25,000 U	25,000 U	2,500 U	29,000	17,000
CRS-TT-C	4.2 U	4.2 U	84 U	25,000 U	25,000 U	5,700	2,500 U	2,500 U
CRS-TT-D	0.24 J	0.66 J	720	23,000 U	29,000	3,000	11,000	3,100
CRS-TT-E	4.3 U	4.3 U	86 U	25,000 U	25,000 U	2,500 U	2,500 U	2,500 U
CRS-TT-F	4.6 U	4.6 U	99	25,000 U	25,000 U	2,500 U	2,500 U	2,500 U
CRS-TT-G	0.28 J	0.87 J	820	25,000 U	25,000 U	4,100	23,000	7,200
CRS-TT-H	3.9 U	3.9 U	1,200	24,000 U	24,000 U	2,400 U	2,400 U	2,400 U
CRS-TT-I	0.2 J	0.37 J	830	35,000	73,000	3,100	10,000	3,500
CRS-TT-J	0.26 J	0.95 J	700	23,000 U	23,000 U	3,100	9,300	2,900

Notes:

BOLD Bolded values indicate chemical detections
CRS Celadon Recycling Solutions
J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
µg/kg micrograms per kilogram
mg/kg milligrams per kilogram
PCE Tetrachloroethene
U The analyte was analyzed for but was not detected at or above the associated value (reporting limit).

Based on the tetrachloroethene (PCE) results observed in totes B, D, G, I, and J, EPA requested Toxicity Characteristic Leaching Procedure (TCLP) analysis for VOCs to determine if the contents of those totes met the definition of hazardous waste, per 40 CFR Part 261. A summary of the TCLP analytical results, along with hazardous waste threshold values, is presented in Table 5.

Table 5: TCLP Detections

Analyte	Units	Hazardous Waste Threshold ₁	CRS-TT-B	CRS-TT-D	CRS-TT-G	CRS-TT-I	CRS-TT-J
2-Butanone	mg/L	200	0.2 U	0.61	0.2 U	4.2	0.2 U
Tetrachloroethene	mg/L	0.7	0.17	0.032 J	0.038 J	0.056 J	0.032 J

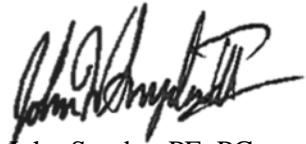
Notes:

¹ 40 CFR Part 261
J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
mg/L milligrams per liter
U The analyte was analyzed for, but was not detected at or above the associated value (reporting limit)

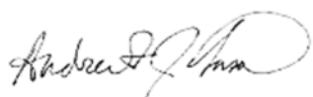
None of the samples analyzed by TCLP contained contamination at levels meeting the criteria for classification as hazardous waste.

If you have any questions or need additional copies of this letter report, please call me at 678-775-3085.

Sincerely,



John Snyder, PE, PG
START V Project Manager



Andrew F. Johnson
START V Program Manager

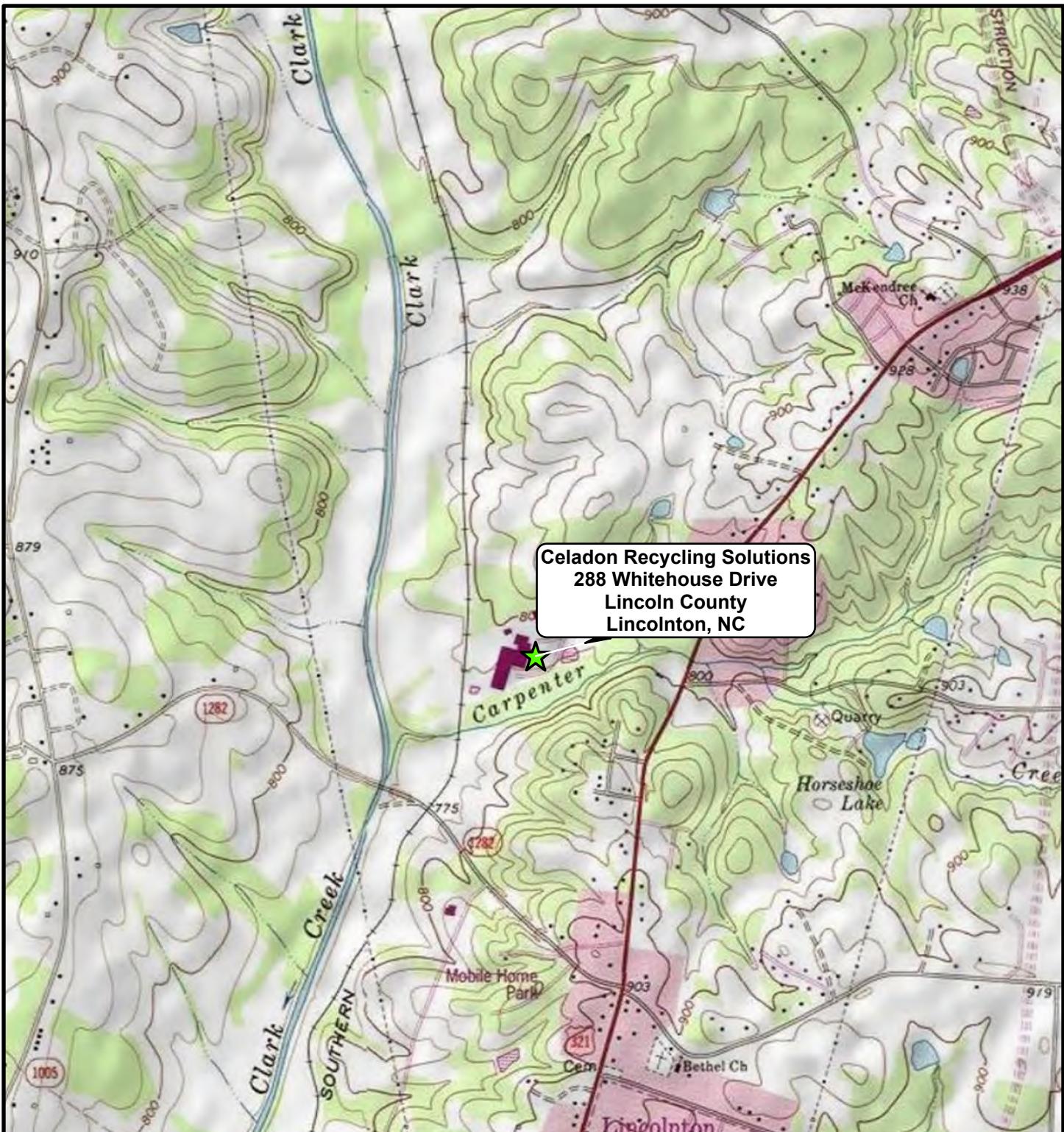
Enclosures (4)
Attachments (1)

cc: Katrina Jones, EPA Project Officer
Angel Reed, Tetra Tech START V Document Control Coordinator

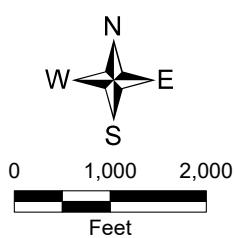
ENCLOSURE 1

FIGURES

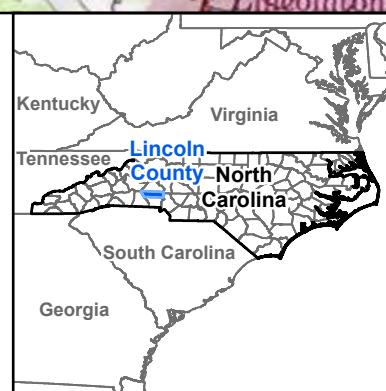
(2 Pages)



Legend
★ Site Location



Map Source:
USGS 7.5 Minute Topographic Quadrangle Maps:
Reepsville, NC 1973 and Maiden, NC 1978.



United States
Environmental Protection Agency
Region 4

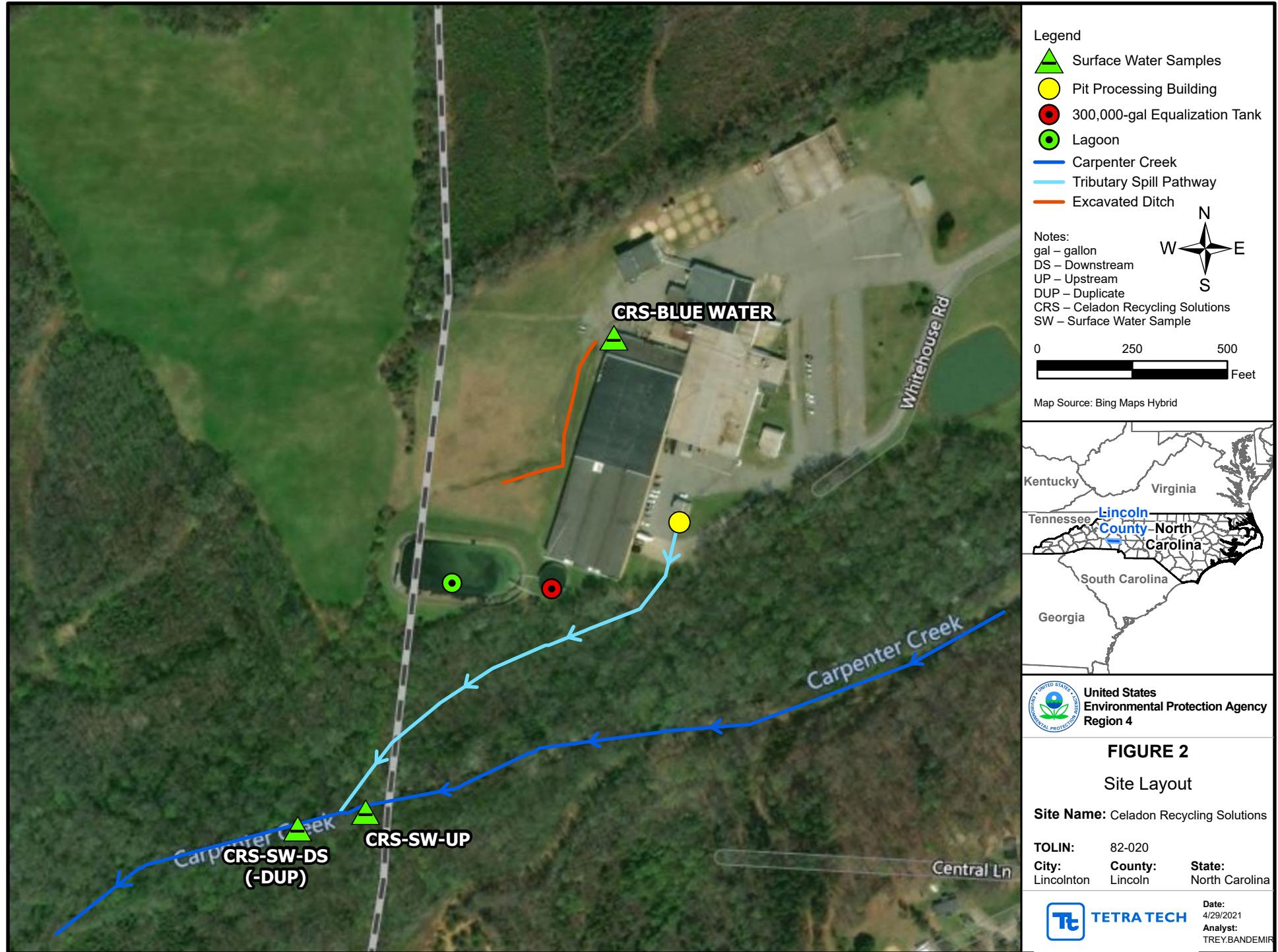
FIGURE 1

Site Location

Site Name:	Celadon Recycling Solutions
TOLIN:	82-020
City:	Lincolnton
County:	Lincoln
State:	North Carolina



Date:
3/8/2021
Analyst:
TREY.BANDEMIR



ENCLOSURE 2
PHOTOGRAPHIC LOG
(16 Pages)



OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

Orientation: Northeast

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, US Environmental Protection Agency (EPA)

Subject: The pit processing building at Celadon Recycling Solutions (CRS) contains two pits for separating tote wash water solids from liquids. Reportedly, a broken valve discharged too much washwater to the pits, which overflowed causing a release to nearby wetlands. Samples of the pit wastewater contained amounts of X, Y, Z.



OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

Orientation: North

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: The overland flow from the pit processing building southward to the wetland area was evident on the ground.



OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

Orientation: North

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: North Carolina Department of Environmental Quality (NCDEQ) inspectors noted a blue liquid in a drainage ditch. CRS hired removal contractors who excavated visibly-impacted soil in the ditch.



OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

Orientation: South

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject:

The blue liquid observed in the drainage ditch by NCDEQ inspectors had pooled in the tote storage area of CRS. Sample CRS-BLUEWATER was collected from this pooled liquid.



OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

Orientation: East

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: Tetra Tech collected surface water sample CRS-SW-DS and CRS-SW-DUP from downstream from the area where the pit processing building release discharged into Carpenter Creek.



OFFICIAL PHOTOGRAPH NO. 6
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

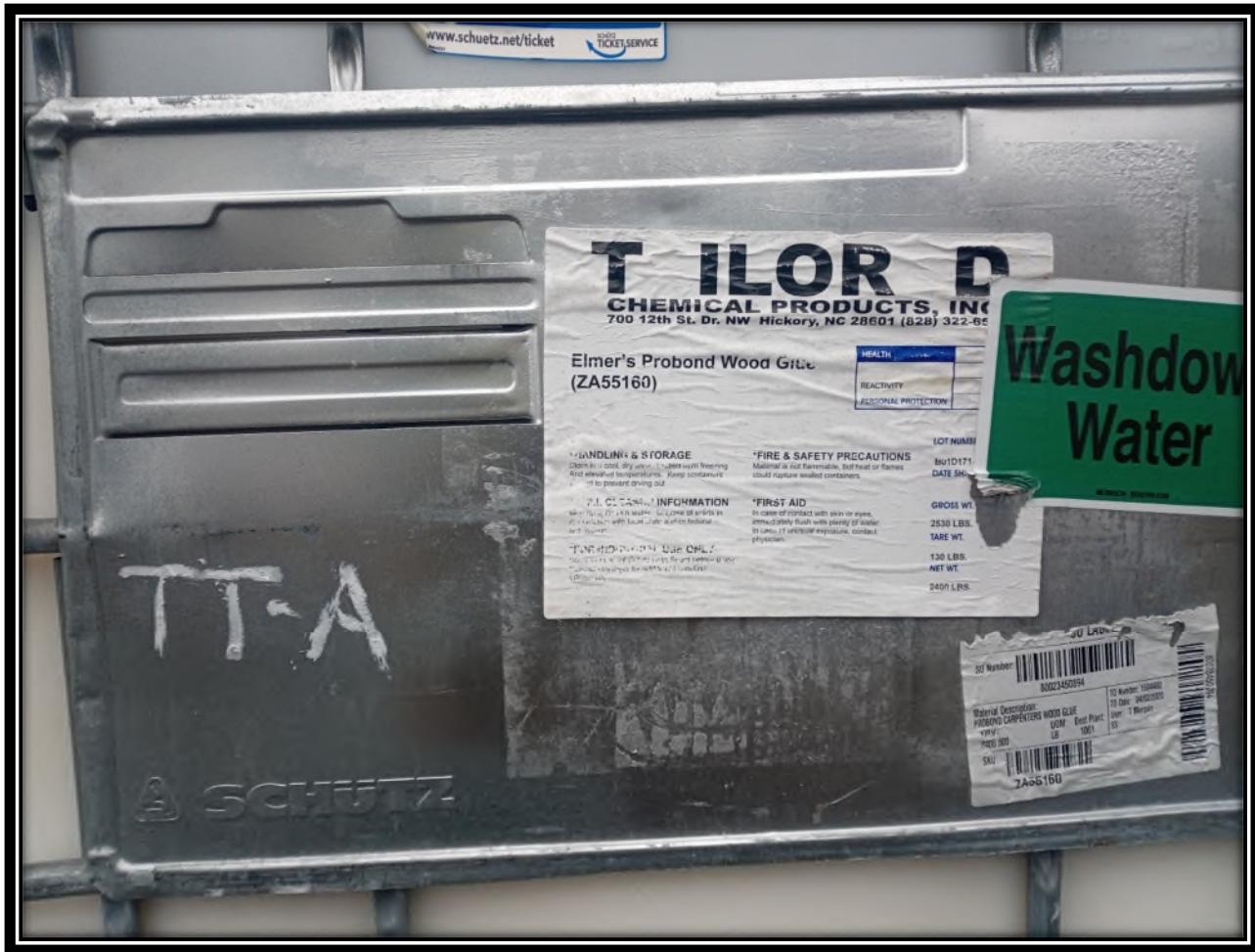
Orientation: Northeast

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: Tetra Tech collected surface water sample CRS-SW-UP from upstream of the point where the pit processing building release discharged into Carpenter Creek.



OFFICIAL PHOTOGRAPH NO. 7
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

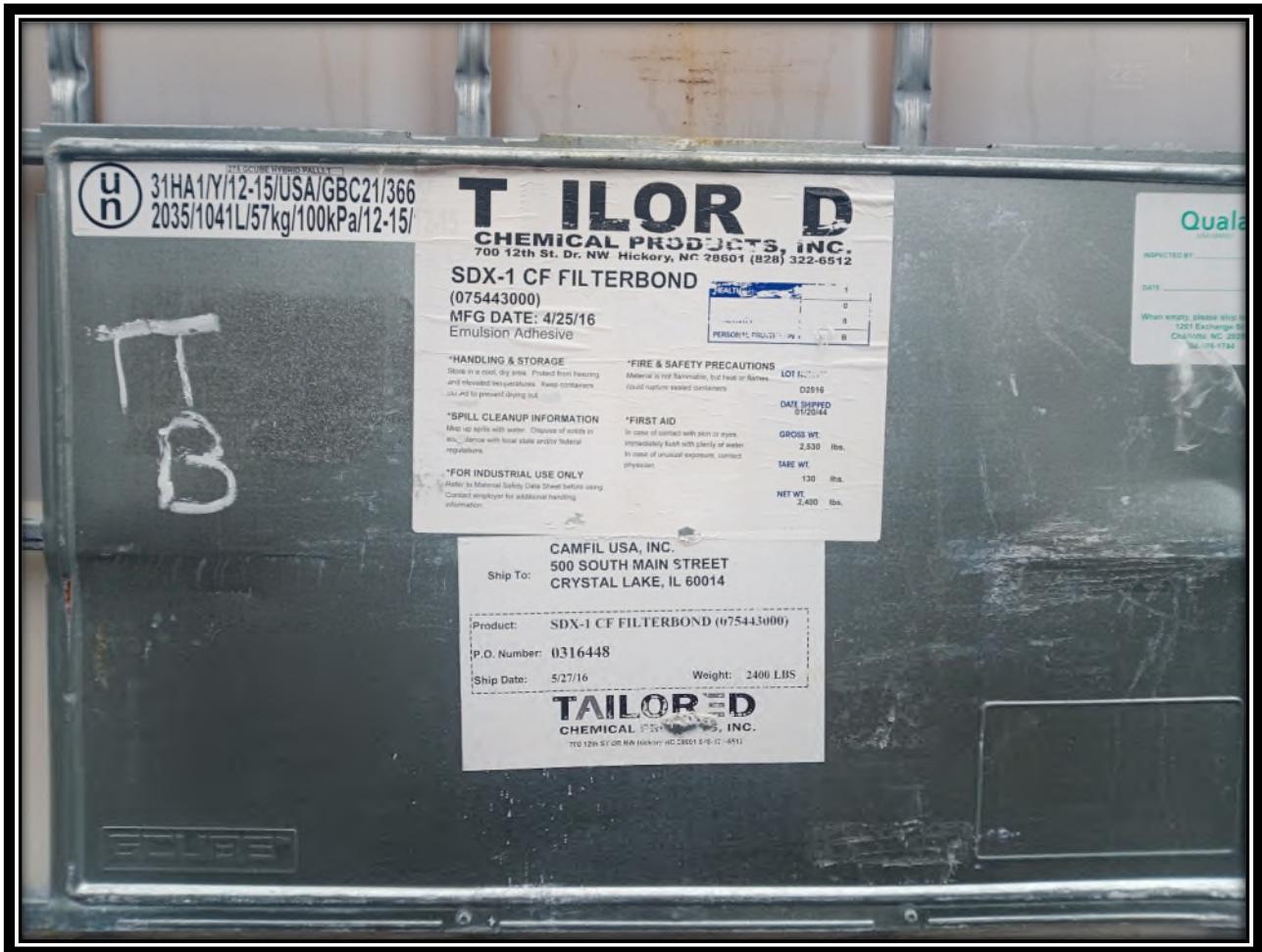
Orientation: Not applicable

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: Tetra Tech sampled various totes for volatile organic compounds and metals. Tote A was labeled as "Elmer's Probond Wood Glue" and "Washdown Water".



OFFICIAL PHOTOGRAPH NO. 8
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

Orientation: Not applicable

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: Tetra Tech sampled various totes for volatile organic compounds and metals. Tote B was labeled as "SDX-1 CF Filterbond."



OFFICIAL PHOTOGRAPH NO. 9
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

Orientation: Not applicable

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: Tetra Tech sampled various totes for volatile organic compounds and metals. Tote C was labeled as "Washdown Water".



OFFICIAL PHOTOGRAPH NO. 10
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

Orientation: Not applicable

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: Tetra Tech sampled various totes for volatile organic compounds and metals. Tote D was unlabeled.



OFFICIAL PHOTOGRAPH NO. 11
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

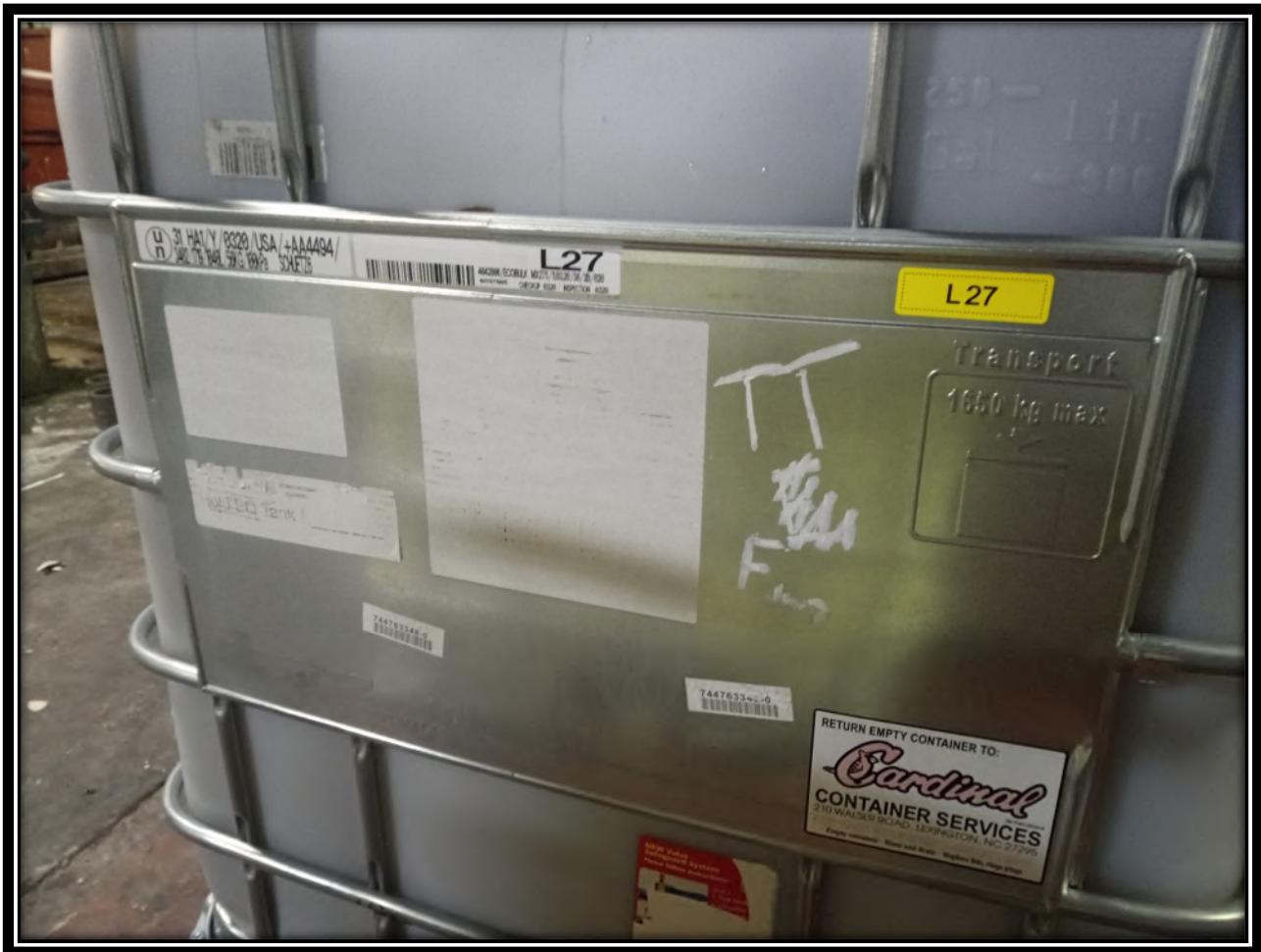
Orientation: Not applicable

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: Tetra Tech sampled various totes for volatile organic compounds and metals. Tote E was labeled as "Washdown Water".



**OFFICIAL PHOTOGRAPH NO. 12
U.S. ENVIRONMENTAL PROTECTION AGENCY**

TOLIN: 82-020

Location: Celadon Recycling Solutions

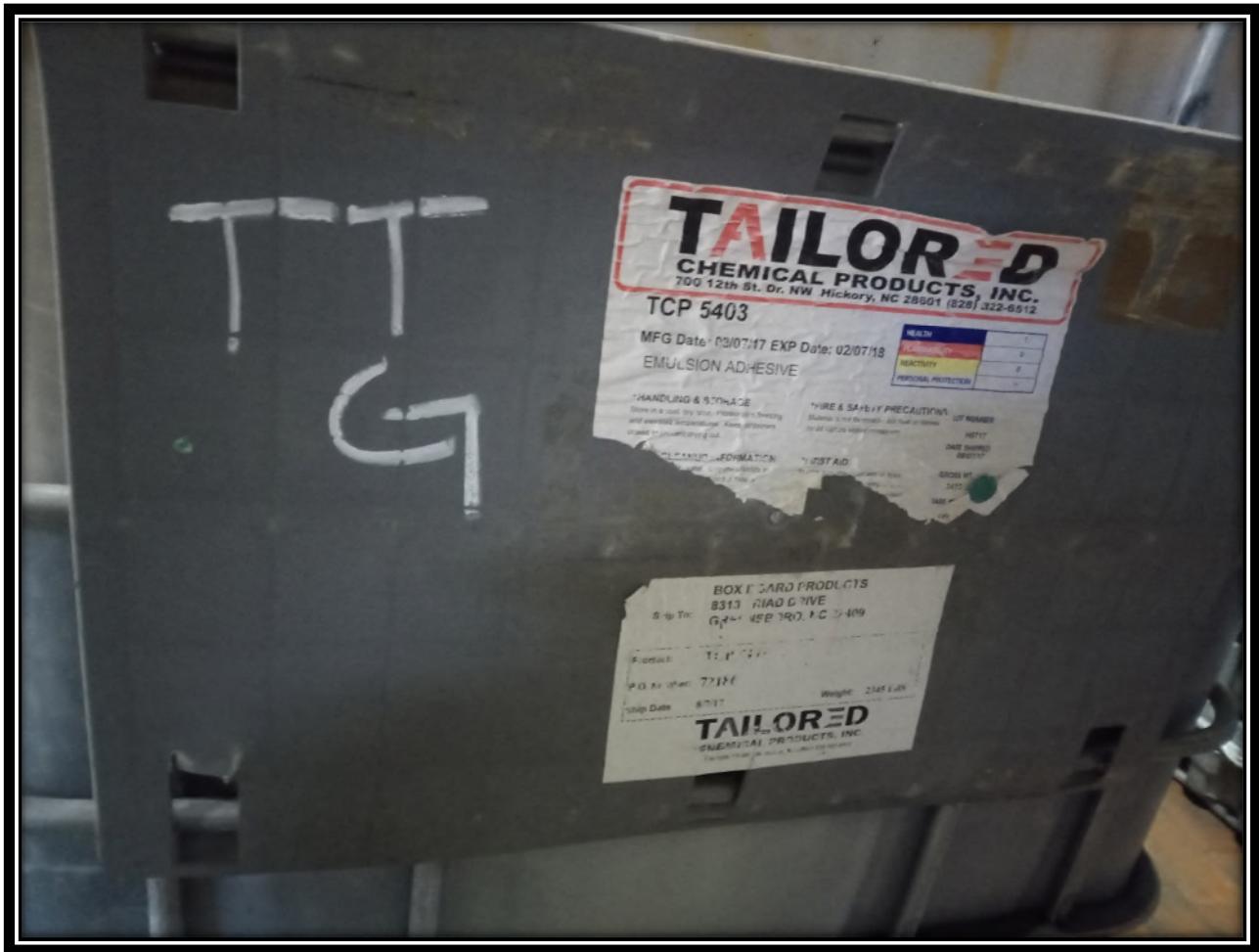
Orientation: Not applicable

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: Tetra Tech sampled various totes for volatile organic compounds and metals. Tote F did not have a label identifying its contents.



OFFICIAL PHOTOGRAPH NO. 13
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

Orientation: Not applicable

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: Tetra Tech sampled various totes for volatile organic compounds and metals. Tote G was labeled as "Emulsion Adhesive."



OFFICIAL PHOTOGRAPH NO. 14
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

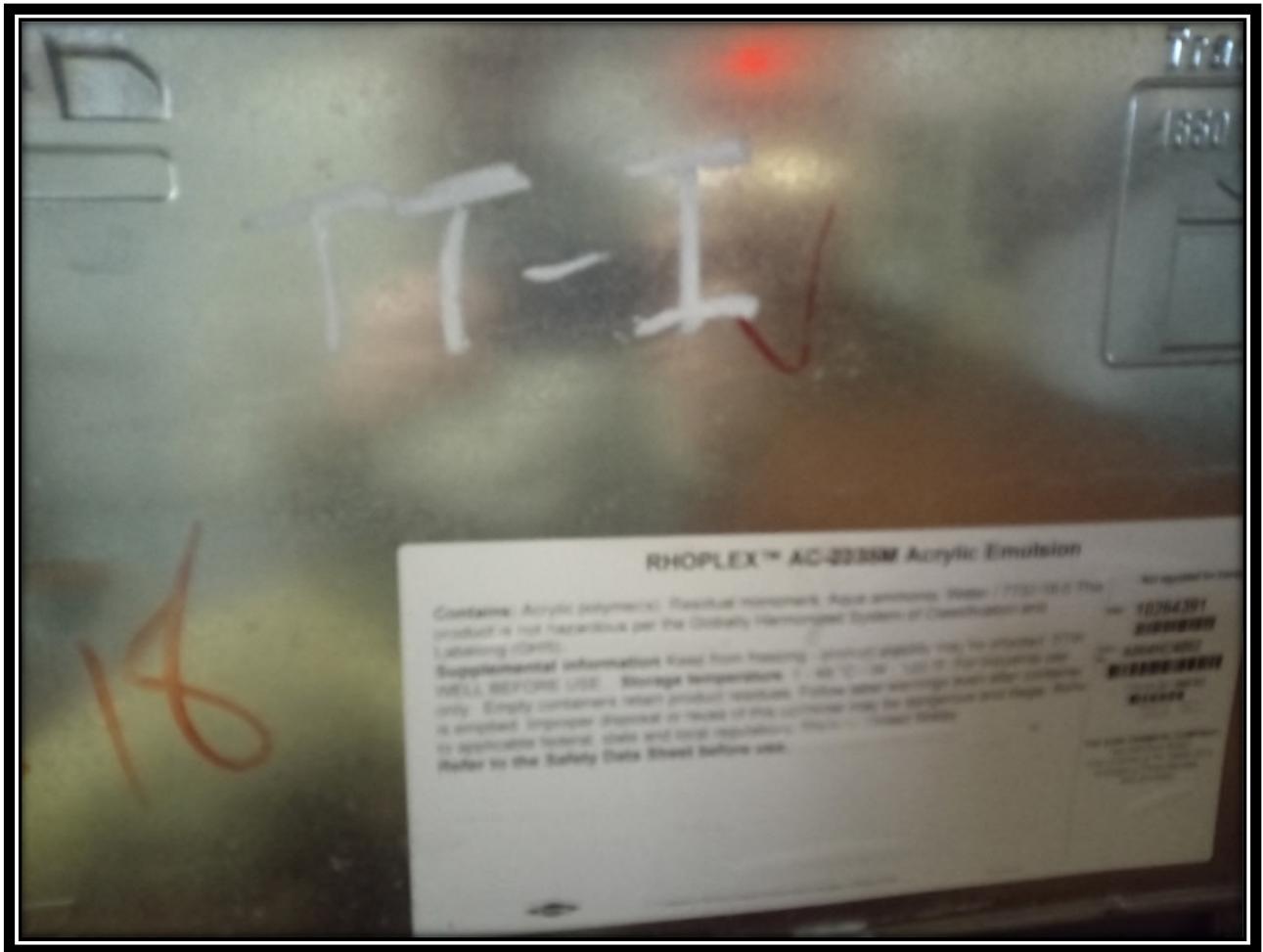
Orientation: Not applicable

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: Tetra Tech sampled various totes for volatile organic compounds and metals. Tote H was labeled as "Sludge for Recycled Energy."



OFFICIAL PHOTOGRAPH NO. 15
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

Orientation: Not applicable

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: Tetra Tech sampled various totes for volatile organic compounds and metals. Tote I was labeled as "Rhoplex Acrylic Emulsion."



OFFICIAL PHOTOGRAPH NO. 16
U.S. ENVIRONMENTAL PROTECTION AGENCY

TOLIN: 82-020

Location: Celadon Recycling Solutions

Orientation: South

Date: January 15, 2021

Photographer: John Snyder, Tetra Tech

Witness: Kenneth Rhame, EPA

Subject: View of totes staged for sampling by START in the interior of the CRS main building.

ENCLOSURE 3
LOGBOOK NOTES
(4 Pages)

=DEFYING=
MOTHER NATURE®
SINCE 1916



All components of
this product are recyclable

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A patented, environmentally responsible, all-weather writing paper that sheds water and enables you to write anywhere, in any weather.

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US Pat No. 6,863,940



Rite in the Rain

ALL-WEATHER
JOURNAL

Nº 791-2

Celadon Recovery Solutions
0092-070
Lumberton, NC

Logbook 1 of 1



1

2

3

4

5

6

Name _____

Address _____

Phone _____

Project _____



TETRA TECH

John Snyder, PE PG
Environmental Engineer

Tetra Tech

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Ken Rhame - EPA OSC
John Snyder - TT ~~Snyder~~ START PM

All work described herein was
conducted in accordance with
EPA R4 LSASD FBQSTP, unless
otherwise noted

Rite in the Rain

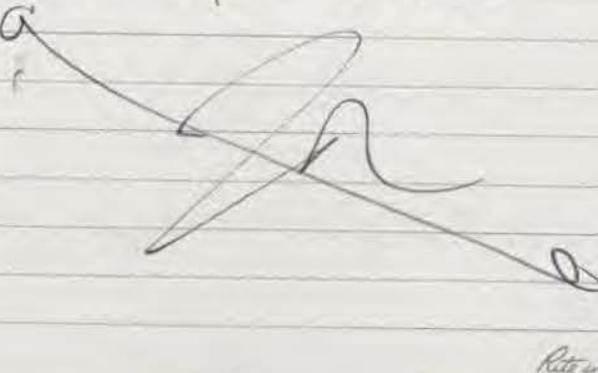
1/15/2021

- 0730 - T+ John Snyder + EPA Rhame to Celadon Recycling Solutions in Lincolnton, NC
- meet w/ Zack (CRS) + Nick of NCDP
0800 - Torr facility, photodoc spill.
- overflow of pit processing building
- "blue liquid" in drainage ditch
- CERT is on site, have been working throughout the night.
- vacuuming out wetlands
- excavating drainage ditch
0915 - EPA tasks START w/ collecting various samples across the site
0925 - Collect CRS-SW-UP from Carpenter Creek, upstream of spill pathway
0930 - Collect CRS-SW-DS from Carpenter Creek, downstream of spill pathway confluence
0935 - Collect CRS-SW-DVP from downstream
1005 - Collect sample from secondary processing pit (CRS-Secondary)
1015 - Collect sample from primary processing pit (CRS-Primary)

1/15/21

cont'd

- 1045 - Collect CRS-BLUEWATER from pooled blue liquid in tote storage area.
1050 - Begin sampling selected totes with drum thieves
1100 - Collect CRS-TT-A
1103 - Collect CRS-TT-B
1106 - Collect CRS-TT-C
1110 - Collect CRS-TT-D
1115 - Collect CRS-TT-E
1117 - Collect CRS-TT-F
1120 - Collect CRS-TT-G
1125 - Collect CRS-TT-H
1130 - Collect CRS-TT-I
1135 - Collect CRS-TT-J
1145 - Report status to OSE Rhame
- Discuss analytical plan
1205 - T+ Snyder off site

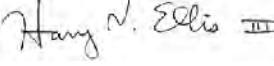


Rite in the Rain

End of
Fieldwork
~~John Dwyer~~
4/29/2021

ENCLOSURE 4
TETRA TECH DATA VALIDATION REPORTS
(45 Pages)

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

Site Name	Celadon Recycling Solutions	TOLIN No.	0082-020
Data Reviewer (signature and date)	 3/19/2021	Technical Reviewer (signature and date)	 29 March 2021
Laboratory Report No.	2101H98	Laboratory	Analytical Environmental Services, Inc., Atlanta, GA
Analyses	Volatile organic compounds (VOCs) by EPA Method SW8260D; RCRA metals by EPA method SW6010D and mercury by EPA Methods SW7470A and SW7471B		
Samples and Matrix	Two wastewater samples and 10 sludge samples		
Field Duplicate Pairs	None		
Field Blanks	None		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 4, Revision 2, (February 2021), the EPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017), and the EPA NFGs for Inorganic Superfund Methods Data Review (January 2017).

OVERALL EVALUATION

No rejection of data was required for this data package. The results may be used as qualified based on the findings of this validation effort.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
N	<p>All samples were shipped in containers, not vials, as needed for the VOC analysis. Vials were prepared at the lab from sample containers shipped. No qualifications were applied.</p> <p>Custody seals were not present on the shipping container nor sample containers. No qualifications were applied.</p> <p>No temperature blank was present upon arrival at the laboratory; however, the containers were within temperature allowances. No qualifications were applied.</p> <p>No trip blanks were submitted with the samples. No qualifications were applied.</p> <p>Samples CRS – Primary and CRS – Secondary had the pH in both containers for metals analysis adjusted by the laboratory. No qualifications were applied.</p>

Method blanks:

Within Criteria	Exceedance/Notes
N	Sodium was detected in the method blank, below the reporting limit, for the sludge sample batch; therefore, sample results for samples with detections below the reporting limit, were raised to the reporting limit and qualified as non-detect (flagged U).

Field blanks:

Within Criteria	Exceedance/Notes
NA	

System monitoring compounds (surrogates and labeled compounds):

Within Criteria	Exceedance/Notes
Y	

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

MS/MSD:

Within Criteria	Exceedance/Notes
N	Mercury analysis for CRS-TT_A1 MS and MSD recoveries were below acceptance limits; therefore, sample results in the parent sample were qualified as non-detect (flagged UJ). MS/MSD analyses from non-project samples were not evaluated.

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
N	VOC analysis for LCS-309197 recovery for 1,2-dibromo-3-chloropropane was below acceptance limits; therefore the sludge sample results were qualified as estimated, flagged "UJ".

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	Samples CRS – Primary and CRS - Secondary diluted for mercury analysis, during sample preparation. The dilution factor is not displayed in the report text, as is usual for a dilution performed during preparation. No qualifications were applied. All samples were analyzed at a 50-fold dilution for all VOC analytes.

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A

EPA REGION 4 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
ANALYTICAL ENVIRONMENTAL SERVICES, INC REPORT NO. 2101H98

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - Primary	SW6010D	Arsenic	0.0072	U	0.0072	0.0500	mg/L	0.0500	U
CRS - Primary	SW6010D	Barium	0.237		0.0027	0.0200	mg/L	0.237	
CRS - Primary	SW6010D	Cadmium	0.0019	U	0.0019	0.0050	mg/L	0.0050	U
CRS - Primary	SW6010D	Chromium	0.0812		0.0032	0.0100	mg/L	0.0812	
CRS - Primary	SW6010D	Lead	0.0186		0.0038	0.0100	mg/L	0.0186	
CRS - Primary	SW6010D	Selenium	0.0091	J	0.0074	0.0200	mg/L	0.0091	J
CRS - Primary	SW6010D	Silver	0.0026	U	0.0026	0.0100	mg/L	0.0100	U
CRS - Primary	SW7470A	Mercury	0.00068	J	0.00062	0.00320	mg/L	0.00068	J
CRS - Primary	SW8260D	1,1,1-Trichloroethane	22	U	22	250	ug/L	250	U
CRS - Primary	SW8260D	1,1,2,2-Tetrachloroethane	19	U	19	250	ug/L	250	U
CRS - Primary	SW8260D	1,1,2-Trichloroethane	14	U	14	250	ug/L	250	U
CRS - Primary	SW8260D	1,1-Dichloroethane	22	U	22	250	ug/L	250	U
CRS - Primary	SW8260D	1,1-Dichloroethene	29	U	29	250	ug/L	250	U
CRS - Primary	SW8260D	1,2,4-Trichlorobenzene	25	U	25	250	ug/L	250	U
CRS - Primary	SW8260D	1,2-Dibromo-3-chloropropane	27	U	27	250	ug/L	250	U
CRS - Primary	SW8260D	1,2-Dibromoethane	14	U	14	250	ug/L	250	U
CRS - Primary	SW8260D	1,2-Dichlorobenzene	20	U	20	250	ug/L	250	U
CRS - Primary	SW8260D	1,2-Dichloroethane	21	U	21	250	ug/L	250	U
CRS - Primary	SW8260D	1,2-Dichloropropane	18	U	18	250	ug/L	250	U
CRS - Primary	SW8260D	1,3-Dichlorobenzene	14	U	14	250	ug/L	250	U
CRS - Primary	SW8260D	1,4-Dichlorobenzene	19	U	19	250	ug/L	250	U
CRS - Primary	SW8260D	2-Butanone	320	U	320	2500	ug/L	2500	U
CRS - Primary	SW8260D	2-Hexanone	140	U	140	500	ug/L	500	U
CRS - Primary	SW8260D	4-Methyl-2-pentanone	140	U	140	500	ug/L	500	U
CRS - Primary	SW8260D	Acetone	5600		360	2500	ug/L	5600	
CRS - Primary	SW8260D	Benzene	19	U	19	250	ug/L	250	U
CRS - Primary	SW8260D	Bromodichloromethane	16	U	16	250	ug/L	250	U
CRS - Primary	SW8260D	Bromoform	26	U	26	250	ug/L	250	U
CRS - Primary	SW8260D	Bromomethane	32	U	32	250	ug/L	250	U
CRS - Primary	SW8260D	Carbon disulfide	48	U	48	250	ug/L	250	U
CRS - Primary	SW8260D	Carbon tetrachloride	22	U	22	250	ug/L	250	U
CRS - Primary	SW8260D	Chlorobenzene	16	U	16	250	ug/L	250	U
CRS - Primary	SW8260D	Chloroethane	28	U	28	500	ug/L	500	U
CRS - Primary	SW8260D	Chloroform	19	U	19	250	ug/L	250	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
ANALYTICAL ENVIRONMENTAL SERVICES, INC REPORT NO. 2101H98

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - Primary	SW8260D	Chloromethane	24	U	24	500	ug/L	500	U
CRS - Primary	SW8260D	cis-1,2-Dichloroethene	15	U	15	250	ug/L	250	U
CRS - Primary	SW8260D	cis-1,3-Dichloropropene	13	U	13	250	ug/L	250	U
CRS - Primary	SW8260D	Cyclohexane	43	U	43	250	ug/L	250	U
CRS - Primary	SW8260D	Dibromochloromethane	23	U	23	250	ug/L	250	U
CRS - Primary	SW8260D	Dichlorodifluoromethane	32	U	32	500	ug/L	500	U
CRS - Primary	SW8260D	Ethylbenzene	19	U	19	250	ug/L	250	U
CRS - Primary	SW8260D	Freon-113	22	U	22	500	ug/L	500	U
CRS - Primary	SW8260D	Isopropylbenzene	23	U	23	250	ug/L	250	U
CRS - Primary	SW8260D	m,p-Xylene	41	U	41	250	ug/L	250	U
CRS - Primary	SW8260D	Methyl acetate	29	U	29	250	ug/L	250	U
CRS - Primary	SW8260D	Methyl tert-butyl ether	18	U	18	250	ug/L	250	U
CRS - Primary	SW8260D	Methylcyclohexane	23	U	23	250	ug/L	250	U
CRS - Primary	SW8260D	Methylene chloride	80	U	80	250	ug/L	250	U
CRS - Primary	SW8260D	o-Xylene	16	U	16	250	ug/L	250	U
CRS - Primary	SW8260D	Styrene	1200		25	250	ug/L	1200	
CRS - Primary	SW8260D	Tetrachloroethene	25	U	25	250	ug/L	250	U
CRS - Primary	SW8260D	Toluene	16	U	16	250	ug/L	250	U
CRS - Primary	SW8260D	trans-1,2-Dichloroethene	23	U	23	250	ug/L	250	U
CRS - Primary	SW8260D	trans-1,3-Dichloropropene	28	U	28	250	ug/L	250	U
CRS - Primary	SW8260D	Trichloroethene	25	U	25	250	ug/L	250	U
CRS - Primary	SW8260D	Trichlorofluoromethane	23	U	23	250	ug/L	250	U
CRS - Primary	SW8260D	Vinyl chloride	23	U	23	100	ug/L	100	U
CRS - Secondary	SW6010D	Arsenic	0.0072	U	0.0072	0.0500	mg/L	0.0500	U
CRS - Secondary	SW6010D	Barium	0.415		0.0027	0.0200	mg/L	0.415	
CRS - Secondary	SW6010D	Cadmium	0.0024	J	0.0019	0.0050	mg/L	0.0024	J
CRS - Secondary	SW6010D	Chromium	0.170		0.0032	0.0100	mg/L	0.170	
CRS - Secondary	SW6010D	Lead	0.0336		0.0038	0.0100	mg/L	0.0336	
CRS - Secondary	SW6010D	Selenium	0.0147	J	0.0074	0.0200	mg/L	0.0147	J
CRS - Secondary	SW6010D	Silver	0.0026	U	0.0026	0.0100	mg/L	0.0100	U
CRS - Secondary	SW7470A	Mercury	0.00066	J	0.00062	0.00320	mg/L	0.00066	J
CRS - Secondary	SW8260D	1,1,1-Trichloroethane	22	U	22	250	ug/L	250	U
CRS - Secondary	SW8260D	1,1,2,2-Tetrachloroethane	19	U	19	250	ug/L	250	U
CRS - Secondary	SW8260D	1,1,2-Trichloroethane	14	U	14	250	ug/L	250	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - Secondary	SW8260D	1,1-Dichloroethane	22 U	22	250	ug/L		250 U	
CRS - Secondary	SW8260D	1,1-Dichloroethene	29 U	29	250	ug/L		250 U	
CRS - Secondary	SW8260D	1,2,4-Trichlorobenzene	25 U	25	250	ug/L		250 U	
CRS - Secondary	SW8260D	1,2-Dibromo-3-chloropropane	27 U	27	250	ug/L		250 U	
CRS - Secondary	SW8260D	1,2-Dibromoethane	14 U	14	250	ug/L		250 U	
CRS - Secondary	SW8260D	1,2-Dichlorobenzene	20 U	20	250	ug/L		250 U	
CRS - Secondary	SW8260D	1,2-Dichloroethane	21 U	21	250	ug/L		250 U	
CRS - Secondary	SW8260D	1,2-Dichloropropane	18 U	18	250	ug/L		250 U	
CRS - Secondary	SW8260D	1,3-Dichlorobenzene	14 U	14	250	ug/L		250 U	
CRS - Secondary	SW8260D	1,4-Dichlorobenzene	19 U	19	250	ug/L		250 U	
CRS - Secondary	SW8260D	2-Butanone	320 U	320	2500	ug/L		2500 U	
CRS - Secondary	SW8260D	2-Hexanone	140 U	140	500	ug/L		500 U	
CRS - Secondary	SW8260D	4-Methyl-2-pentanone	140 U	140	500	ug/L		500 U	
CRS - Secondary	SW8260D	Acetone	3500	360	2500	ug/L		3500	
CRS - Secondary	SW8260D	Benzene	19 U	19	250	ug/L		250 U	
CRS - Secondary	SW8260D	Bromodichloromethane	16 U	16	250	ug/L		250 U	
CRS - Secondary	SW8260D	Bromoform	26 U	26	250	ug/L		250 U	
CRS - Secondary	SW8260D	Bromomethane	32 U	32	250	ug/L		250 U	
CRS - Secondary	SW8260D	Carbon disulfide	48 U	48	250	ug/L		250 U	
CRS - Secondary	SW8260D	Carbon tetrachloride	22 U	22	250	ug/L		250 U	
CRS - Secondary	SW8260D	Chlorobenzene	16 U	16	250	ug/L		250 U	
CRS - Secondary	SW8260D	Chloroethane	28 U	28	500	ug/L		500 U	
CRS - Secondary	SW8260D	Chloroform	19 U	19	250	ug/L		250 U	
CRS - Secondary	SW8260D	Chloromethane	24 U	24	500	ug/L		500 U	
CRS - Secondary	SW8260D	cis-1,2-Dichloroethene	15 U	15	250	ug/L		250 U	
CRS - Secondary	SW8260D	cis-1,3-Dichloropropene	13 U	13	250	ug/L		250 U	
CRS - Secondary	SW8260D	Cyclohexane	43 U	43	250	ug/L		250 U	
CRS - Secondary	SW8260D	Dibromochloromethane	23 U	23	250	ug/L		250 U	
CRS - Secondary	SW8260D	Dichlorodifluoromethane	32 U	32	500	ug/L		500 U	
CRS - Secondary	SW8260D	Ethylbenzene	19 U	19	250	ug/L		250 U	
CRS - Secondary	SW8260D	Freon-113	22 U	22	500	ug/L		500 U	
CRS - Secondary	SW8260D	Isopropylbenzene	23 U	23	250	ug/L		250 U	
CRS - Secondary	SW8260D	m,p-Xylene	41 U	41	250	ug/L		250 U	
CRS - Secondary	SW8260D	Methyl acetate	29 U	29	250	ug/L		250 U	

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - Secondary	SW8260D	Methyl tert-butyl ether	18 U	18	250	ug/L		250 U	
CRS - Secondary	SW8260D	Methylcyclohexane	23 U	23	250	ug/L		250 U	
CRS - Secondary	SW8260D	Methylene chloride	80 U	80	250	ug/L		250 U	
CRS - Secondary	SW8260D	o-Xylene	16 U	16	250	ug/L		250 U	
CRS - Secondary	SW8260D	Styrene	25 U	25	250	ug/L		250 U	
CRS - Secondary	SW8260D	Tetrachloroethene	25 U	25	250	ug/L		250 U	
CRS - Secondary	SW8260D	Toluene	16 U	16	250	ug/L		250 U	
CRS - Secondary	SW8260D	trans-1,2-Dichloroethene	23 U	23	250	ug/L		250 U	
CRS - Secondary	SW8260D	trans-1,3-Dichloropropene	28 U	28	250	ug/L		250 U	
CRS - Secondary	SW8260D	Trichloroethene	25 U	25	250	ug/L		250 U	
CRS - Secondary	SW8260D	Trichlorofluoromethane	23 U	23	250	ug/L		250 U	
CRS - Secondary	SW8260D	Vinyl chloride	23 U	23	100	ug/L		100 U	
CRS - TT - A1	SW6010D	Arsenic	0.38 U	0.38	4.6	mg/Kg		4.6 U	
CRS - TT - A1	SW6010D	Barium	0.15 U	0.15	4.6	mg/Kg		4.6 U	
CRS - TT - A1	SW6010D	Cadmium	0.046 U	0.046	2.3	mg/Kg		2.3 U	
CRS - TT - A1	SW6010D	Chromium	0.72 U	0.72	2.3	mg/Kg		2.3 U	
CRS - TT - A1	SW6010D	Lead	0.17 U	0.17	4.6	mg/Kg		4.6 U	
CRS - TT - A1	SW6010D	Silver	0.012 U	0.012	2.3	mg/Kg		2.3 U	
CRS - TT - A1	SW6010D	Sodium	70 J	6.2	92	mg/Kg		92 U	
CRS - TT - A1	SW7471B	Mercury	0.0185 U	0.0185	0.0863	mg/Kg		0.0863 UJ	
CRS - TT - A1	SW8260D	1,1,1-Trichloroethane	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	1,1,2,2-Tetrachloroethane	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	1,1,2-Trichloroethane	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	1,1-Dichloroethane	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	1,1-Dichloroethene	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	1,2,4-Trichlorobenzene	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	1,2-Dibromo-3-chloropropane	2500 U	2500	2500	ug/Kg		2500 UJ	
CRS - TT - A1	SW8260D	1,2-Dibromoethane	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	1,2-Dichlorobenzene	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	1,2-Dichloroethane	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	1,2-Dichloropropane	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	1,3-Dichlorobenzene	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	1,4-Dichlorobenzene	2500 U	2500	2500	ug/Kg		2500 U	
CRS - TT - A1	SW8260D	2-Butanone	25000 U	25000	25000	ug/Kg		25000 U	

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
ANALYTICAL ENVIRONMENTAL SERVICES, INC REPORT NO. 2101H98

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - A1	SW8260D	2-Hexanone	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - A1	SW8260D	4-Methyl-2-pentanone	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - A1	SW8260D	Acetone	25000	U	25000	25000	ug/Kg	25000	U
CRS - TT - A1	SW8260D	Benzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Bromodichloromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Bromoform	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Bromomethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Carbon disulfide	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - A1	SW8260D	Carbon tetrachloride	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Chlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Chloroethane	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - A1	SW8260D	Chloroform	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Chloromethane	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - A1	SW8260D	cis-1,2-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	cis-1,3-Dichloropropene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Cyclohexane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Dibromochloromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Dichlorodifluoromethane	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - A1	SW8260D	Ethylbenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Freon-113	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - A1	SW8260D	Isopropylbenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	m,p-Xylene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Methyl acetate	20000		2500	2500	ug/Kg	20000	
CRS - TT - A1	SW8260D	Methyl tert-butyl ether	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Methylcyclohexane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Methylene chloride	2500	U	2500	10000	ug/Kg	10000	U
CRS - TT - A1	SW8260D	o-Xylene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Styrene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Tetrachloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Toluene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	trans-1,2-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	trans-1,3-Dichloropropene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Trichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - A1	SW8260D	Trichlorofluoromethane	2500	U	2500	2500	ug/Kg	2500	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
ANALYTICAL ENVIRONMENTAL SERVICES, INC REPORT NO. 2101H98

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - A1	SW8260D	Vinyl chloride	5000 U	5000	5000		ug/Kg	5000 U	
CRS - TT - B	SW6010D	Arsenic	0.32 U	0.32	3.9		mg/Kg	3.9 U	
CRS - TT - B	SW6010D	Barium	0.39 J	0.13	3.9		mg/Kg	0.39 J	
CRS - TT - B	SW6010D	Cadmium	0.039 U	0.039	2.0		mg/Kg	2.0 U	
CRS - TT - B	SW6010D	Chromium	0.62 U	0.62	2.0		mg/Kg	2.0 U	
CRS - TT - B	SW6010D	Lead	0.18 J	0.15	3.9		mg/Kg	0.18 J	
CRS - TT - B	SW6010D	Silver	0.010 U	0.010	2.0		mg/Kg	2.0 U	
CRS - TT - B	SW6010D	Sodium	300	5.3	79		mg/Kg	300	
CRS - TT - B	SW7471B	Mercury	0.0203 U	0.0203	0.0951		mg/Kg	0.0951 U	
CRS - TT - B	SW8260D	1,1,1-Trichloroethane	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	1,1,2,2-Tetrachloroethane	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	1,1,2-Trichloroethane	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	1,1-Dichloroethane	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	1,1-Dichloroethene	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	1,2,4-Trichlorobenzene	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	1,2-Dibromo-3-chloropropane	2500 U	2500	2500		ug/Kg	2500 UJ	
CRS - TT - B	SW8260D	1,2-Dibromoethane	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	1,2-Dichlorobenzene	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	1,2-Dichloroethane	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	1,2-Dichloropropane	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	1,3-Dichlorobenzene	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	1,4-Dichlorobenzene	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	2-Butanone	25000 U	25000	25000		ug/Kg	25000 U	
CRS - TT - B	SW8260D	2-Hexanone	4900 U	4900	4900		ug/Kg	4900 U	
CRS - TT - B	SW8260D	4-Methyl-2-pentanone	4900 U	4900	4900		ug/Kg	4900 U	
CRS - TT - B	SW8260D	Acetone	25000 U	25000	25000		ug/Kg	25000 U	
CRS - TT - B	SW8260D	Benzene	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	Bromodichloromethane	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	Bromoform	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	Bromomethane	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	Carbon disulfide	4900 U	4900	4900		ug/Kg	4900 U	
CRS - TT - B	SW8260D	Carbon tetrachloride	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	Chlorobenzene	2500 U	2500	2500		ug/Kg	2500 U	
CRS - TT - B	SW8260D	Chloroethane	4900 U	4900	4900		ug/Kg	4900 U	

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - B	SW8260D	Chloroform	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Chloromethane	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - B	SW8260D	cis-1,2-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	cis-1,3-Dichloropropene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Cyclohexane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Dibromochloromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Dichlorodifluoromethane	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - B	SW8260D	Ethylbenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Freon-113	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - B	SW8260D	Isopropylbenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	m,p-Xylene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Methyl acetate	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Methyl tert-butyl ether	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Methylcyclohexane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Methylene chloride	2500	U	2500	9800	ug/Kg	9800	U
CRS - TT - B	SW8260D	o-Xylene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Styrene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Tetrachloroethene	29000		2500	2500	ug/Kg	29000	
CRS - TT - B	SW8260D	Toluene	17000		2500	2500	ug/Kg	17000	
CRS - TT - B	SW8260D	trans-1,2-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	trans-1,3-Dichloropropene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Trichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Trichlorofluoromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - B	SW8260D	Vinyl chloride	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - C	SW6010D	Arsenic	0.35	U	0.35	4.2	mg/Kg	4.2	U
CRS - TT - C	SW6010D	Barium	0.14	U	0.14	4.2	mg/Kg	4.2	U
CRS - TT - C	SW6010D	Cadmium	0.042	U	0.042	2.1	mg/Kg	2.1	U
CRS - TT - C	SW6010D	Chromium	0.66	U	0.66	2.1	mg/Kg	2.1	U
CRS - TT - C	SW6010D	Lead	0.16	U	0.16	4.2	mg/Kg	4.2	U
CRS - TT - C	SW6010D	Silver	0.011	U	0.011	2.1	mg/Kg	2.1	U
CRS - TT - C	SW6010D	Sodium	56	J	5.7	84	mg/Kg	84	U
CRS - TT - C	SW7471B	Mercury	0.0194	U	0.0194	0.0906	mg/Kg	0.0906	U
CRS - TT - C	SW8260D	1,1,1-Trichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	1,1,2,2-Tetrachloroethane	2500	U	2500	2500	ug/Kg	2500	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - C	SW8260D	1,1,2-Trichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	1,1-Dichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	1,1-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	1,2,4-Trichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	1,2-Dibromo-3-chloropropane	2500	U	2500	2500	ug/Kg	2500	UJ
CRS - TT - C	SW8260D	1,2-Dibromoethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	1,2-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	1,2-Dichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	1,2-Dichloropropane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	1,3-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	1,4-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	2-Butanone	25000	U	25000	25000	ug/Kg	25000	U
CRS - TT - C	SW8260D	2-Hexanone	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - C	SW8260D	4-Methyl-2-pentanone	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - C	SW8260D	Acetone	25000	U	25000	25000	ug/Kg	25000	U
CRS - TT - C	SW8260D	Benzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	Bromodichloromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	Bromoform	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	Bromomethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	Carbon disulfide	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - C	SW8260D	Carbon tetrachloride	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	Chlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	Chloroethane	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - C	SW8260D	Chloroform	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	Chloromethane	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - C	SW8260D	cis-1,2-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	cis-1,3-Dichloropropene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	Cyclohexane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	Dibromochloromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	Dichlorodifluoromethane	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - C	SW8260D	Ethylbenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	Freon-113	5000	U	5000	5000	ug/Kg	5000	U
CRS - TT - C	SW8260D	Isopropylbenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - C	SW8260D	m,p-Xylene	2500	U	2500	2500	ug/Kg	2500	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - C	SW8260D	Methyl acetate	5700	2500 U	2500	2500	ug/Kg	5700	
CRS - TT - C	SW8260D	Methyl tert-butyl ether	2500 U	2500	2500	2500	ug/Kg	2500 U	
CRS - TT - C	SW8260D	Methylcyclohexane	2500 U	2500	2500	2500	ug/Kg	2500 U	
CRS - TT - C	SW8260D	Methylene chloride	2500 U	2500	9900	2500	ug/Kg	9900 U	
CRS - TT - C	SW8260D	o-Xylene	2500 U	2500	2500	2500	ug/Kg	2500 U	
CRS - TT - C	SW8260D	Styrene	2500 U	2500	2500	2500	ug/Kg	2500 U	
CRS - TT - C	SW8260D	Tetrachloroethene	2500 U	2500	2500	2500	ug/Kg	2500 U	
CRS - TT - C	SW8260D	Toluene	2500 U	2500	2500	2500	ug/Kg	2500 U	
CRS - TT - C	SW8260D	trans-1,2-Dichloroethene	2500 U	2500	2500	2500	ug/Kg	2500 U	
CRS - TT - C	SW8260D	trans-1,3-Dichloropropene	2500 U	2500	2500	2500	ug/Kg	2500 U	
CRS - TT - C	SW8260D	Trichloroethene	2500 U	2500	2500	2500	ug/Kg	2500 U	
CRS - TT - C	SW8260D	Trichlorofluoromethane	2500 U	2500	2500	2500	ug/Kg	2500 U	
CRS - TT - C	SW8260D	Vinyl chloride	5000 U	5000	5000	5000	ug/Kg	5000 U	
CRS - TT - D	SW6010D	Arsenic	0.36 U	0.36	4.3	mg/Kg	4.3 U		
CRS - TT - D	SW6010D	Barium	0.24 J	0.14	4.3	mg/Kg	0.24 J		
CRS - TT - D	SW6010D	Cadmium	0.043 U	0.043	2.2	mg/Kg	2.2 U		
CRS - TT - D	SW6010D	Chromium	0.68 U	0.68	2.2	mg/Kg	2.2 U		
CRS - TT - D	SW6010D	Lead	0.66 J	0.16	4.3	mg/Kg	0.66 J		
CRS - TT - D	SW6010D	Silver	0.011 U	0.011	2.2	mg/Kg	2.2 U		
CRS - TT - D	SW6010D	Sodium	720	5.8	87	mg/Kg	720		
CRS - TT - D	SW7471B	Mercury	0.0204 U	0.0204	0.0955	mg/Kg	0.0955 U		
CRS - TT - D	SW8260D	1,1,1-Trichloroethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - D	SW8260D	1,1,2,2-Tetrachloroethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - D	SW8260D	1,1,2-Trichloroethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - D	SW8260D	1,1-Dichloroethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - D	SW8260D	1,1-Dichloroethene	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - D	SW8260D	1,2,4-Trichlorobenzene	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - D	SW8260D	1,2-Dibromo-3-chloropropane	2300 U	2300	2300	ug/Kg	2300 UJ		
CRS - TT - D	SW8260D	1,2-Dibromoethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - D	SW8260D	1,2-Dichlorobenzene	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - D	SW8260D	1,2-Dichloroethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - D	SW8260D	1,2-Dichloropropane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - D	SW8260D	1,3-Dichlorobenzene	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - D	SW8260D	1,4-Dichlorobenzene	2300 U	2300	2300	ug/Kg	2300 U		

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - D	SW8260D	2-Butanone	23000	U	23000	23000	ug/Kg	23000	U
CRS - TT - D	SW8260D	2-Hexanone	4600	U	4600	4600	ug/Kg	4600	U
CRS - TT - D	SW8260D	4-Methyl-2-pentanone	4600	U	4600	4600	ug/Kg	4600	U
CRS - TT - D	SW8260D	Acetone	29000		23000	23000	ug/Kg	29000	
CRS - TT - D	SW8260D	Benzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Bromodichloromethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Bromoform	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Bromomethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Carbon disulfide	4600	U	4600	4600	ug/Kg	4600	U
CRS - TT - D	SW8260D	Carbon tetrachloride	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Chlorobenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Chloroethane	4600	U	4600	4600	ug/Kg	4600	U
CRS - TT - D	SW8260D	Chloroform	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Chloromethane	4600	U	4600	4600	ug/Kg	4600	U
CRS - TT - D	SW8260D	cis-1,2-Dichloroethene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	cis-1,3-Dichloropropene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Cyclohexane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Dibromochloromethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Dichlorodifluoromethane	4600	U	4600	4600	ug/Kg	4600	U
CRS - TT - D	SW8260D	Ethylbenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Freon-113	4600	U	4600	4600	ug/Kg	4600	U
CRS - TT - D	SW8260D	Isopropylbenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	m,p-Xylene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Methyl acetate	3000		2300	2300	ug/Kg	3000	
CRS - TT - D	SW8260D	Methyl tert-butyl ether	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Methylcyclohexane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Methylene chloride	2300	U	2300	9300	ug/Kg	9300	U
CRS - TT - D	SW8260D	o-Xylene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Styrene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Tetrachloroethene	11000		2300	2300	ug/Kg	11000	
CRS - TT - D	SW8260D	Toluene	3100		2300	2300	ug/Kg	3100	
CRS - TT - D	SW8260D	trans-1,2-Dichloroethene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	trans-1,3-Dichloropropene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Trichloroethene	2300	U	2300	2300	ug/Kg	2300	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - D	SW8260D	Trichlorofluoromethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - D	SW8260D	Vinyl chloride	4600	U	4600	4600	ug/Kg	4600	U
CRS - TT - E	SW6010D	Arsenic	0.35	U	0.35	4.3	mg/Kg	4.3	U
CRS - TT - E	SW6010D	Barium	0.14	U	0.14	4.3	mg/Kg	4.3	U
CRS - TT - E	SW6010D	Cadmium	0.043	U	0.043	2.1	mg/Kg	2.1	U
CRS - TT - E	SW6010D	Chromium	0.67	U	0.67	2.1	mg/Kg	2.1	U
CRS - TT - E	SW6010D	Lead	0.16	U	0.16	4.3	mg/Kg	4.3	U
CRS - TT - E	SW6010D	Silver	0.011	U	0.011	2.1	mg/Kg	2.1	U
CRS - TT - E	SW6010D	Sodium	56	J	5.8	86	mg/Kg	86	U
CRS - TT - E	SW7471B	Mercury	0.0199	U	0.0199	0.0932	mg/Kg	0.0932	U
CRS - TT - E	SW8260D	1,1,1-Trichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	1,1,2,2-Tetrachloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	1,1,2-Trichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	1,1-Dichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	1,1-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	1,2,4-Trichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	1,2-Dibromo-3-chloropropane	2500	U	2500	2500	ug/Kg	2500	UJ
CRS - TT - E	SW8260D	1,2-Dibromoethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	1,2-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	1,2-Dichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	1,2-Dichloropropane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	1,3-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	1,4-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	2-Butanone	25000	U	25000	25000	ug/Kg	25000	U
CRS - TT - E	SW8260D	2-Hexanone	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - E	SW8260D	4-Methyl-2-pentanone	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - E	SW8260D	Acetone	25000	U	25000	25000	ug/Kg	25000	U
CRS - TT - E	SW8260D	Benzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Bromodichloromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Bromoform	5500		2500	2500	ug/Kg	5500	
CRS - TT - E	SW8260D	Bromomethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Carbon disulfide	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - E	SW8260D	Carbon tetrachloride	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Chlorobenzene	2500	U	2500	2500	ug/Kg	2500	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - E	SW8260D	Chloroethane	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - E	SW8260D	Chloroform	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Chloromethane	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - E	SW8260D	cis-1,2-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	cis-1,3-Dichloropropene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Cyclohexane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Dibromochloromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Dichlorodifluoromethane	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - E	SW8260D	Ethylbenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Freon-113	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - E	SW8260D	Isopropylbenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	m,p-Xylene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Methyl acetate	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Methyl tert-butyl ether	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Methylcyclohexane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Methylene chloride	2500	U	2500	9800	ug/Kg	9800	U
CRS - TT - E	SW8260D	o-Xylene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Styrene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Tetrachloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Toluene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	trans-1,2-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	trans-1,3-Dichloropropene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Trichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Trichlorofluoromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - E	SW8260D	Vinyl chloride	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - F	SW6010D	Arsenic	0.38	U	0.38	4.6	mg/Kg	4.6	U
CRS - TT - F	SW6010D	Barium	0.15	U	0.15	4.6	mg/Kg	4.6	U
CRS - TT - F	SW6010D	Cadmium	0.046	U	0.046	2.3	mg/Kg	2.3	U
CRS - TT - F	SW6010D	Chromium	0.72	U	0.72	2.3	mg/Kg	2.3	U
CRS - TT - F	SW6010D	Lead	0.17	U	0.17	4.6	mg/Kg	4.6	U
CRS - TT - F	SW6010D	Silver	0.012	U	0.012	2.3	mg/Kg	2.3	U
CRS - TT - F	SW6010D	Sodium	99		6.2	92	mg/Kg	99	
CRS - TT - F	SW7471B	Mercury	0.0196	U	0.0196	0.0917	mg/Kg	0.0917	U
CRS - TT - F	SW8260D	1,1,1-Trichloroethane	2500	U	2500	2500	ug/Kg	2500	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
ANALYTICAL ENVIRONMENTAL SERVICES, INC REPORT NO. 2101H98

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - F	SW8260D	1,1,2,2-Tetrachloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	1,1,2-Trichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	1,1-Dichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	1,1-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	1,2,4-Trichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	1,2-Dibromo-3-chloropropane	2500	U	2500	2500	ug/Kg	2500	UJ
CRS - TT - F	SW8260D	1,2-Dibromoethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	1,2-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	1,2-Dichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	1,2-Dichloropropane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	1,3-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	1,4-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	2-Butanone	25000	U	25000	25000	ug/Kg	25000	U
CRS - TT - F	SW8260D	2-Hexanone	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - F	SW8260D	4-Methyl-2-pentanone	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - F	SW8260D	Acetone	25000	U	25000	25000	ug/Kg	25000	U
CRS - TT - F	SW8260D	Benzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Bromodichloromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Bromoform	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Bromomethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Carbon disulfide	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - F	SW8260D	Carbon tetrachloride	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Chlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Chloroethane	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - F	SW8260D	Chloroform	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Chloromethane	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - F	SW8260D	cis-1,2-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	cis-1,3-Dichloropropene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Cyclohexane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Dibromochloromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Dichlorodifluoromethane	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - F	SW8260D	Ethylbenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Freon-113	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - F	SW8260D	Isopropylbenzene	2500	U	2500	2500	ug/Kg	2500	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - F	SW8260D	m,p-Xylene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Methyl acetate	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Methyl tert-butyl ether	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Methylcyclohexane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Methylene chloride	2500	U	2500	9800	ug/Kg	9800	U
CRS - TT - F	SW8260D	o-Xylene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Styrene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Tetrachloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Toluene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	trans-1,2-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	trans-1,3-Dichloropropene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Trichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Trichlorofluoromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - F	SW8260D	Vinyl chloride	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - G	SW6010D	Arsenic	0.39	U	0.39	4.7	mg/Kg	4.7	U
CRS - TT - G	SW6010D	Barium	0.28	J	0.15	4.7	mg/Kg	0.28	J
CRS - TT - G	SW6010D	Cadmium	0.047	U	0.047	2.4	mg/Kg	2.4	U
CRS - TT - G	SW6010D	Chromium	0.74	U	0.74	2.4	mg/Kg	2.4	U
CRS - TT - G	SW6010D	Lead	0.87	J	0.18	4.7	mg/Kg	0.87	J
CRS - TT - G	SW6010D	Silver	0.012	U	0.012	2.4	mg/Kg	2.4	U
CRS - TT - G	SW6010D	Sodium	820		6.3	94	mg/Kg	820	
CRS - TT - G	SW7471B	Mercury	0.0199	U	0.0199	0.0928	mg/Kg	0.0928	U
CRS - TT - G	SW8260D	1,1,1-Trichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	1,1,2,2-Tetrachloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	1,1,2-Trichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	1,1-Dichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	1,1-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	1,2,4-Trichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	1,2-Dibromo-3-chloropropane	2500	U	2500	2500	ug/Kg	2500	UJ
CRS - TT - G	SW8260D	1,2-Dibromoethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	1,2-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	1,2-Dichloroethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	1,2-Dichloropropane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	1,3-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - G	SW8260D	1,4-Dichlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	2-Butanone	25000	U	25000	25000	ug/Kg	25000	U
CRS - TT - G	SW8260D	2-Hexanone	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - G	SW8260D	4-Methyl-2-pentanone	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - G	SW8260D	Acetone	25000	U	25000	25000	ug/Kg	25000	U
CRS - TT - G	SW8260D	Benzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Bromodichloromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Bromoform	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Bromomethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Carbon disulfide	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - G	SW8260D	Carbon tetrachloride	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Chlorobenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Chloroethane	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - G	SW8260D	Chloroform	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Chloromethane	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - G	SW8260D	cis-1,2-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	cis-1,3-Dichloropropene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Cyclohexane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Dibromochloromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Dichlorodifluoromethane	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - G	SW8260D	Ethylbenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Freon-113	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - G	SW8260D	Isopropylbenzene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	m,p-Xylene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Methyl acetate	4100		2500	2500	ug/Kg	4100	
CRS - TT - G	SW8260D	Methyl tert-butyl ether	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Methylcyclohexane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Methylene chloride	2500	U	2500	9800	ug/Kg	9800	U
CRS - TT - G	SW8260D	o-Xylene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Styrene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Tetrachloroethene	23000		2500	2500	ug/Kg	23000	
CRS - TT - G	SW8260D	Toluene	7200		2500	2500	ug/Kg	7200	
CRS - TT - G	SW8260D	trans-1,2-Dichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	trans-1,3-Dichloropropene	2500	U	2500	2500	ug/Kg	2500	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
ANALYTICAL ENVIRONMENTAL SERVICES, INC REPORT NO. 2101H98

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - G	SW8260D	Trichloroethene	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Trichlorofluoromethane	2500	U	2500	2500	ug/Kg	2500	U
CRS - TT - G	SW8260D	Vinyl chloride	4900	U	4900	4900	ug/Kg	4900	U
CRS - TT - H	SW6010D	Arsenic	0.32	U	0.32	3.9	mg/Kg	3.9	U
CRS - TT - H	SW6010D	Barium	0.13	U	0.13	3.9	mg/Kg	3.9	U
CRS - TT - H	SW6010D	Cadmium	0.039	U	0.039	2.0	mg/Kg	2.0	U
CRS - TT - H	SW6010D	Chromium	0.62	U	0.62	2.0	mg/Kg	2.0	U
CRS - TT - H	SW6010D	Lead	0.15	U	0.15	3.9	mg/Kg	3.9	U
CRS - TT - H	SW6010D	Silver	0.010	U	0.010	2.0	mg/Kg	2.0	U
CRS - TT - H	SW6010D	Sodium	1200		5.3	78	mg/Kg	1200	
CRS - TT - H	SW7471B	Mercury	0.0190	U	0.0190	0.0888	mg/Kg	0.0888	U
CRS - TT - H	SW8260D	1,1,1-Trichloroethane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	1,1,2,2-Tetrachloroethane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	1,1,2-Trichloroethane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	1,1-Dichloroethane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	1,1-Dichloroethene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	1,2,4-Trichlorobenzene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	1,2-Dibromo-3-chloropropane	2400	U	2400	2400	ug/Kg	2400	UJ
CRS - TT - H	SW8260D	1,2-Dibromoethane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	1,2-Dichlorobenzene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	1,2-Dichloroethane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	1,2-Dichloropropane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	1,3-Dichlorobenzene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	1,4-Dichlorobenzene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	2-Butanone	24000	U	24000	24000	ug/Kg	24000	U
CRS - TT - H	SW8260D	2-Hexanone	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - H	SW8260D	4-Methyl-2-pentanone	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - H	SW8260D	Acetone	24000	U	24000	24000	ug/Kg	24000	U
CRS - TT - H	SW8260D	Benzene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Bromodichloromethane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Bromoform	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Bromomethane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Carbon disulfide	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - H	SW8260D	Carbon tetrachloride	2400	U	2400	2400	ug/Kg	2400	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - H	SW8260D	Chlorobenzene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Chloroethane	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - H	SW8260D	Chloroform	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Chloromethane	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - H	SW8260D	cis-1,2-Dichloroethene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	cis-1,3-Dichloropropene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Cyclohexane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Dibromochloromethane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Dichlorodifluoromethane	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - H	SW8260D	Ethylbenzene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Freon-113	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - H	SW8260D	Isopropylbenzene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	m,p-Xylene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Methyl acetate	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Methyl tert-butyl ether	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Methylcyclohexane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Methylene chloride	2400	U	2400	9400	ug/Kg	9400	U
CRS - TT - H	SW8260D	o-Xylene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Styrene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Tetrachloroethene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Toluene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	trans-1,2-Dichloroethene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	trans-1,3-Dichloropropene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Trichloroethene	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Trichlorofluoromethane	2400	U	2400	2400	ug/Kg	2400	U
CRS - TT - H	SW8260D	Vinyl chloride	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - I	SW6010D	Arsenic	0.37	U	0.37	4.5	mg/Kg	4.5	U
CRS - TT - I	SW6010D	Barium	0.20	J	0.14	4.5	mg/Kg	0.20	J
CRS - TT - I	SW6010D	Cadmium	0.045	U	0.045	2.2	mg/Kg	2.2	U
CRS - TT - I	SW6010D	Chromium	0.71	U	0.71	2.2	mg/Kg	2.2	U
CRS - TT - I	SW6010D	Lead	0.37	J	0.17	4.5	mg/Kg	0.37	J
CRS - TT - I	SW6010D	Silver	0.012	U	0.012	2.2	mg/Kg	2.2	U
CRS - TT - I	SW6010D	Sodium	830		6.0	90	mg/Kg	830	
CRS - TT - I	SW7471B	Mercury	0.0201	U	0.0201	0.0940	mg/Kg	0.0940	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - I	SW8260D	1,1,1-Trichloroethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	1,1,2,2-Tetrachloroethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	1,1,2-Trichloroethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	1,1-Dichloroethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	1,1-Dichloroethene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	1,2,4-Trichlorobenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	1,2-Dibromo-3-chloropropane	2300	U	2300	2300	ug/Kg	2300	UJ
CRS - TT - I	SW8260D	1,2-Dibromoethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	1,2-Dichlorobenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	1,2-Dichloroethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	1,2-Dichloropropane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	1,3-Dichlorobenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	1,4-Dichlorobenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	2-Butanone	35000		23000	23000	ug/Kg	35000	
CRS - TT - I	SW8260D	2-Hexanone	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - I	SW8260D	4-Methyl-2-pentanone	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - I	SW8260D	Acetone	73000		23000	23000	ug/Kg	73000	
CRS - TT - I	SW8260D	Benzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	Bromodichloromethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	Bromoform	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	Bromomethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	Carbon disulfide	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - I	SW8260D	Carbon tetrachloride	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	Chlorobenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	Chloroethane	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - I	SW8260D	Chloroform	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	Chloromethane	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - I	SW8260D	cis-1,2-Dichloroethene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	cis-1,3-Dichloropropene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	Cyclohexane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	Dibromochloromethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	Dichlorodifluoromethane	4700	U	4700	4700	ug/Kg	4700	U
CRS - TT - I	SW8260D	Ethylbenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - I	SW8260D	Freon-113	4700	U	4700	4700	ug/Kg	4700	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
ANALYTICAL ENVIRONMENTAL SERVICES, INC REPORT NO. 2101H98

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - I	SW8260D	Isopropylbenzene	2300 U	2300	2300	2300	ug/Kg	2300 U	
CRS - TT - I	SW8260D	m,p-Xylene	2300 U	2300	2300	2300	ug/Kg	2300 U	
CRS - TT - I	SW8260D	Methyl acetate	3100	2300	2300	2300	ug/Kg	3100	
CRS - TT - I	SW8260D	Methyl tert-butyl ether	2300 U	2300	2300	2300	ug/Kg	2300 U	
CRS - TT - I	SW8260D	Methylcyclohexane	2300 U	2300	2300	2300	ug/Kg	2300 U	
CRS - TT - I	SW8260D	Methylene chloride	2300 U	2300	9300	2300	ug/Kg	9300 U	
CRS - TT - I	SW8260D	o-Xylene	2300 U	2300	2300	2300	ug/Kg	2300 U	
CRS - TT - I	SW8260D	Styrene	2300 U	2300	2300	2300	ug/Kg	2300 U	
CRS - TT - I	SW8260D	Tetrachloroethene	10000	2300	2300	2300	ug/Kg	10000	
CRS - TT - I	SW8260D	Toluene	3500	2300	2300	2300	ug/Kg	3500	
CRS - TT - I	SW8260D	trans-1,2-Dichloroethene	2300 U	2300	2300	2300	ug/Kg	2300 U	
CRS - TT - I	SW8260D	trans-1,3-Dichloropropene	2300 U	2300	2300	2300	ug/Kg	2300 U	
CRS - TT - I	SW8260D	Trichloroethene	2300 U	2300	2300	2300	ug/Kg	2300 U	
CRS - TT - I	SW8260D	Trichlorofluoromethane	2300 U	2300	2300	2300	ug/Kg	2300 U	
CRS - TT - I	SW8260D	Vinyl chloride	4700 U	4700	4700	4700	ug/Kg	4700 U	
CRS - TT - J	SW6010D	Arsenic	0.38 U	0.38	4.6	mg/Kg	4.6 U		
CRS - TT - J	SW6010D	Barium	0.26 J	0.15	4.6	mg/Kg	0.26 J		
CRS - TT - J	SW6010D	Cadmium	0.046 U	0.046	2.3	mg/Kg	2.3 U		
CRS - TT - J	SW6010D	Chromium	0.72 U	0.72	2.3	mg/Kg	2.3 U		
CRS - TT - J	SW6010D	Lead	0.95 J	0.17	4.6	mg/Kg	0.95 J		
CRS - TT - J	SW6010D	Silver	0.012 U	0.012	2.3	mg/Kg	2.3 U		
CRS - TT - J	SW6010D	Sodium	700	6.2	92	mg/Kg	700		
CRS - TT - J	SW7471B	Mercury	0.0198 U	0.0198	0.0927	mg/Kg	0.0927 U		
CRS - TT - J	SW8260D	1,1,1-Trichloroethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - J	SW8260D	1,1,2,2-Tetrachloroethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - J	SW8260D	1,1,2-Trichloroethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - J	SW8260D	1,1-Dichloroethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - J	SW8260D	1,1-Dichloroethene	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - J	SW8260D	1,2,4-Trichlorobenzene	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - J	SW8260D	1,2-Dibromo-3-chloropropane	2300 U	2300	2300	ug/Kg	2300 UJ		
CRS - TT - J	SW8260D	1,2-Dibromoethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - J	SW8260D	1,2-Dichlorobenzene	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - J	SW8260D	1,2-Dichloroethane	2300 U	2300	2300	ug/Kg	2300 U		
CRS - TT - J	SW8260D	1,2-Dichloropropane	2300 U	2300	2300	ug/Kg	2300 U		

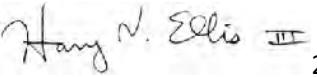
CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
ANALYTICAL ENVIRONMENTAL SERVICES, INC REPORT NO. 2101H98

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - J	SW8260D	1,3-Dichlorobenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	1,4-Dichlorobenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	2-Butanone	23000	U	23000	23000	ug/Kg	23000	U
CRS - TT - J	SW8260D	2-Hexanone	4500	U	4500	4500	ug/Kg	4500	U
CRS - TT - J	SW8260D	4-Methyl-2-pentanone	4500	U	4500	4500	ug/Kg	4500	U
CRS - TT - J	SW8260D	Acetone	23000	U	23000	23000	ug/Kg	23000	U
CRS - TT - J	SW8260D	Benzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Bromodichloromethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Bromoform	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Bromomethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Carbon disulfide	4500	U	4500	4500	ug/Kg	4500	U
CRS - TT - J	SW8260D	Carbon tetrachloride	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Chlorobenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Chloroethane	4500	U	4500	4500	ug/Kg	4500	U
CRS - TT - J	SW8260D	Chloroform	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Chloromethane	4500	U	4500	4500	ug/Kg	4500	U
CRS - TT - J	SW8260D	cis-1,2-Dichloroethene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	cis-1,3-Dichloropropene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Cyclohexane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Dibromochloromethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Dichlorodifluoromethane	4500	U	4500	4500	ug/Kg	4500	U
CRS - TT - J	SW8260D	Ethylbenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Freon-113	4500	U	4500	4500	ug/Kg	4500	U
CRS - TT - J	SW8260D	Isopropylbenzene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	m,p-Xylene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Methyl acetate	3100		2300	2300	ug/Kg	3100	
CRS - TT - J	SW8260D	Methyl tert-butyl ether	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Methylcyclohexane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Methylene chloride	2300	U	2300	9000	ug/Kg	9000	U
CRS - TT - J	SW8260D	o-Xylene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Styrene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Tetrachloroethene	9300		2300	2300	ug/Kg	9300	
CRS - TT - J	SW8260D	Toluene	2900		2300	2300	ug/Kg	2900	
CRS - TT - J	SW8260D	trans-1,2-Dichloroethene	2300	U	2300	2300	ug/Kg	2300	U

CELADON RECYCLING SOLUTIONS AQUEOUS AND SLUDGE ANALYTICAL RESULTS SUMMARY
ANALYTICAL ENVIRONMENTAL SERVICES, INC REPORT NO. 2101H98

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - J	SW8260D	trans-1,3-Dichloropropene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Trichloroethene	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Trichlorofluoromethane	2300	U	2300	2300	ug/Kg	2300	U
CRS - TT - J	SW8260D	Vinyl chloride	4500	U	4500	4500	ug/Kg	4500	U

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

Site Name	Celadon Recycling Solutions	TOLIN No.	0082-020
Data Reviewer (signature and date)	 3/19/2021	Technical Reviewer (signature and date)	 29 March 2021
Laboratory Report No.	2101N01	Laboratory	Analytical Environmental Services, Inc., Atlanta, GA
Analyses	Toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs) by SW-846 Methods 1311/8260D		
Samples and Matrix	Five sludge samples		
Field Duplicate Pairs	None		
Field Blanks	None		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech Quality Assurance Project Plan, *Superfund Technical Assessment and Response Team (START V), EPA Region 4, Revision 2*, (February 2021), the EPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017).

OVERALL EVALUATION

No qualification of data was required for this data package. The results may be used as received from the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
N	<p>All samples were shipped in containers, not vials, as needed for the VOC analysis. Vials were prepared at the lab from sample containers shipped. No qualifications were applied.</p> <p>Custody seals were not present on the shipping container nor sample containers. No qualifications were applied.</p> <p>No temperature blank was present upon arrival at the laboratory; however, the containers were within temperature allowances. No qualifications were applied.</p> <p>No trip blanks were submitted with the samples. No qualifications were applied.</p> <p>All samples were part of another package, but had additional analysis requested after original package results were known. The laboratory used the chain-of-custody (COC) and sample check in form from the original package. No qualifications were applied.</p>

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

System monitoring compounds (surrogates and labeled compounds):

Within Criteria	Exceedance/Notes
Y	

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

MS/MSD:

Within Criteria	Exceedance/Notes
NA	MS/MSD analyses from non-project samples were not evaluated.

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	Analyses from non-project samples were not evaluated.

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSS/LCSDs:

Within Criteria	Exceedance/Notes
N	LCS-309362 recovery for carbon tetrachloride was above acceptance limits; however, no qualifications were applied because the associated results were non-detect values.

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	All samples were analyzed at a 20-fold dilution for all VOC analytes. Data usage is unaffected by dilution because the sample reporting limits are below the regulatory limits.

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

MDLs/RIs:

Within Criteria	Exceedance/Notes
Y	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

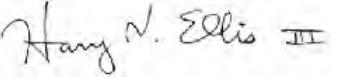
CELADON RECYCLING SOLUTIONS SLUDGE ANALYTICAL RESULTS SUMMARY
ANALYTICAL ENVIRONMENTAL SERVICES, INC REPORT NO. 2101N01

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - B	SW1311/8260D	1,1-Dichloroethene	0.0079 U		0.0079	0.10	mg/L	0.10	U
CRS - TT - B	SW1311/8260D	1,2-Dichloroethane	0.0075 U		0.0075	0.10	mg/L	0.10	U
CRS - TT - B	SW1311/8260D	2-Butanone	0.050 U		0.050	0.20	mg/L	0.20	U
CRS - TT - B	SW1311/8260D	Benzene	0.0075 U		0.0075	0.10	mg/L	0.10	U
CRS - TT - B	SW1311/8260D	Carbon tetrachloride	0.0059 U		0.0059	0.10	mg/L	0.10	U
CRS - TT - B	SW1311/8260D	Chlorobenzene	0.0084 U		0.0084	0.10	mg/L	0.10	U
CRS - TT - B	SW1311/8260D	Chloroform	0.0040 U		0.0040	0.10	mg/L	0.10	U
CRS - TT - B	SW1311/8260D	Tetrachloroethene	0.17		0.0091	0.10	mg/L	0.17	
CRS - TT - B	SW1311/8260D	Trichloroethene	0.0061 U		0.0061	0.10	mg/L	0.10	U
CRS - TT - B	SW1311/8260D	Vinyl chloride	0.0061 U		0.0061	0.040	mg/L	0.040	U
CRS - TT - D	SW1311/8260D	1,1-Dichloroethene	0.0079 U		0.0079	0.10	mg/L	0.10	U
CRS - TT - D	SW1311/8260D	1,2-Dichloroethane	0.0075 U		0.0075	0.10	mg/L	0.10	U
CRS - TT - D	SW1311/8260D	2-Butanone	0.61		0.050	0.20	mg/L	0.61	
CRS - TT - D	SW1311/8260D	Benzene	0.0075 U		0.0075	0.10	mg/L	0.10	U
CRS - TT - D	SW1311/8260D	Carbon tetrachloride	0.0059 U		0.0059	0.10	mg/L	0.10	U
CRS - TT - D	SW1311/8260D	Chlorobenzene	0.0084 U		0.0084	0.10	mg/L	0.10	U
CRS - TT - D	SW1311/8260D	Chloroform	0.0040 U		0.0040	0.10	mg/L	0.10	U
CRS - TT - D	SW1311/8260D	Tetrachloroethene	0.032 J		0.0091	0.10	mg/L	0.032	J
CRS - TT - D	SW1311/8260D	Trichloroethene	0.0061 U		0.0061	0.10	mg/L	0.10	U
CRS - TT - D	SW1311/8260D	Vinyl chloride	0.0061 U		0.0061	0.040	mg/L	0.040	U
CRS - TT - G	SW1311/8260D	1,1-Dichloroethene	0.0079 U		0.0079	0.10	mg/L	0.10	U
CRS - TT - G	SW1311/8260D	1,2-Dichloroethane	0.0075 U		0.0075	0.10	mg/L	0.10	U
CRS - TT - G	SW1311/8260D	2-Butanone	0.050 U		0.050	0.20	mg/L	0.20	U
CRS - TT - G	SW1311/8260D	Benzene	0.0075 U		0.0075	0.10	mg/L	0.10	U
CRS - TT - G	SW1311/8260D	Carbon tetrachloride	0.0059 U		0.0059	0.10	mg/L	0.10	U
CRS - TT - G	SW1311/8260D	Chlorobenzene	0.0084 U		0.0084	0.10	mg/L	0.10	U
CRS - TT - G	SW1311/8260D	Chloroform	0.0040 U		0.0040	0.10	mg/L	0.10	U
CRS - TT - G	SW1311/8260D	Tetrachloroethene	0.038 J		0.0091	0.10	mg/L	0.038	J
CRS - TT - G	SW1311/8260D	Trichloroethene	0.0061 U		0.0061	0.10	mg/L	0.10	U
CRS - TT - G	SW1311/8260D	Vinyl chloride	0.0061 U		0.0061	0.040	mg/L	0.040	U
CRS - TT - I	SW1311/8260D	1,1-Dichloroethene	0.0079 U		0.0079	0.10	mg/L	0.10	U
CRS - TT - I	SW1311/8260D	1,2-Dichloroethane	0.0075 U		0.0075	0.10	mg/L	0.10	U
CRS - TT - I	SW1311/8260D	2-Butanone	4.2		0.050	0.20	mg/L	4.2	
CRS - TT - I	SW1311/8260D	Benzene	0.0075 U		0.0075	0.10	mg/L	0.10	U
CRS - TT - I	SW1311/8260D	Carbon tetrachloride	0.0059 U		0.0059	0.10	mg/L	0.10	U
CRS - TT - I	SW1311/8260D	Chlorobenzene	0.0084 U		0.0084	0.10	mg/L	0.10	U

CELADON RECYCLING SOLUTIONS SLUDGE ANALYTICAL RESULTS SUMMARY
ANALYTICAL ENVIRONMENTAL SERVICES, INC REPORT NO. 2101N01

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS - TT - I	SW1311/8260D	Chloroform	0.0040	U	0.0040	0.10	mg/L	0.10	U
CRS - TT - I	SW1311/8260D	Tetrachloroethene	0.056	J	0.0091	0.10	mg/L	0.056	J
CRS - TT - I	SW1311/8260D	Trichloroethene	0.0061	U	0.0061	0.10	mg/L	0.10	U
CRS - TT - I	SW1311/8260D	Vinyl chloride	0.0061	U	0.0061	0.040	mg/L	0.040	U
CRS - TT - J	SW1311/8260D	1,1-Dichloroethene	0.0079	U	0.0079	0.10	mg/L	0.10	U
CRS - TT - J	SW1311/8260D	1,2-Dichloroethane	0.0075	U	0.0075	0.10	mg/L	0.10	U
CRS - TT - J	SW1311/8260D	2-Butanone	0.050	U	0.050	0.20	mg/L	0.20	U
CRS - TT - J	SW1311/8260D	Benzene	0.0075	U	0.0075	0.10	mg/L	0.10	U
CRS - TT - J	SW1311/8260D	Carbon tetrachloride	0.0059	U	0.0059	0.10	mg/L	0.10	U
CRS - TT - J	SW1311/8260D	Chlorobenzene	0.0084	U	0.0084	0.10	mg/L	0.10	U
CRS - TT - J	SW1311/8260D	Chloroform	0.0040	U	0.0040	0.10	mg/L	0.10	U
CRS - TT - J	SW1311/8260D	Tetrachloroethene	0.032	J	0.0091	0.10	mg/L	0.032	J
CRS - TT - J	SW1311/8260D	Trichloroethene	0.0061	U	0.0061	0.10	mg/L	0.10	U
CRS - TT - J	SW1311/8260D	Vinyl chloride	0.0061	U	0.0061	0.040	mg/L	0.040	U

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

Site Name	Celadon Recycling Solutions	TOLIN No.	0082-020
Data Reviewer (signature and date)	 3/24/2021	Technical Reviewer (signature and date)	 29 March 2021
Laboratory Report No.	92516951	Laboratory	Pace Analytical Services, LLC, Huntersville, NC
Analyses	Volatile organic compounds (VOCs) by EPA Method SW8260D, RCRA metals by EPA method SW6020B, and mercury by EPA Method SW7470A		
Samples and Matrix	Four water samples		
Field Duplicate Pairs	CRS-SW-DS/CRS-SW-DUP		
Field Blanks	None		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the Tetra Tech Quality Assurance Project Plan, Superfund Technical Assessment and Response Team (START V), EPA Region 4, Revision 2, (February 2021), the EPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017), and the EPA NFGs for Inorganic Superfund Methods Data Review (January 2017).

OVERALL EVALUATION

No rejection of data was required for this data package. The results may be used as qualified based on the findings of this validation effort.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
N	Sample CRS-BLUEWATER was received in a container that did not meet the method requirements. No qualifications were applied. Custody seals were not present on the shipping container nor sample containers. No qualifications were applied. No temperature blank was present upon arrival at the laboratory; however, the containers were within temperature allowances. No qualifications were applied.

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

System monitoring compounds (surrogates and labeled compounds):

Within Criteria	Exceedance/Notes
Y	

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

MS/MSD:

Within Criteria	Exceedance/Notes
N	MS/MSDs performed on samples not included in this data package were not evaluated. For sample CRS-BLUEWATER, the recoveries and relative percent difference for barium were not applicable because the parent sample result was greater than four times the spike concentration. No qualification was applied. The lead MS recovery was below the acceptance limit; therefore, the lead result for the parent sample was qualified as estimated, possibly biased low (flagged J-).

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	Laboratory duplicates performed on samples not included in this data package were not evaluated.

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
Y	Sample CRS-BLUEWATER was analyzed at 5-fold dilutions for arsenic, cadmium, chromium, selenium, and silver; 10-fold dilutions for VOCs; and 25-fold dilutions for barium and lead.

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RRLs:

Within Criteria	Exceedance/Notes
Y	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [Initial and continuing calibrations]:

Within Criteria	Exceedance/Notes
N	<p>The initial calibration standard for QC batch 593362 for chloroethane was outside acceptance criteria, affecting samples CRS-SW-DS, CRS-SW-DUP, and CRS-SW-UP. The associated results were qualified as estimated (flagged UJ).</p> <p>The continuing calibration standard for QC batch 593362 for chloromethane was below acceptance criteria, affecting samples CRS-SW-DS, CRS-SW-DUP, and CRS-SW-UP. The associated results were qualified as estimated (flagged J).</p> <p>The initial calibration standard for QC batch 593666 for bromomethane was outside acceptance criteria, affecting sample CRS-BLUEWATER. The non-detect result was qualified as estimated (flagged UJ).</p> <p>The continuing calibration standard for QC batch 593666 for chloromethane was below acceptance criteria, affecting sample CRS-BLUEWATER. The non-detect result was qualified as estimated (flagged UJ).</p>

DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 4 START CONTRACT

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

CELADON RECYCLING SOLUTIONS SLUDGE ANALYTICAL RESULTS SUMMARY
PACE ANALYTICAL SERVICES REPORT NO. 92516951

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS-BLUEWATER	EPA 6020B	Arsenic	5.7	0.43	0.50	ug/L		5.7	
CRS-BLUEWATER	EPA 6020B	Barium	2070	5.4	7.5	ug/L		2070	
CRS-BLUEWATER	EPA 6020B	Cadmium	4.9	0.30	0.40	ug/L		4.9	
CRS-BLUEWATER	EPA 6020B	Chromium	29.0	2.5	2.5	ug/L		29.0	
CRS-BLUEWATER	EPA 6020B	Lead	78.6	1.9	2.5	ug/L		78.6 J-	
CRS-BLUEWATER	EPA 6020B	Selenium	0.36J J	0.31	2.5	ug/L		0.36 J	
CRS-BLUEWATER	EPA 6020B	Silver	ND U	0.35	2.0	ug/L		2.0 U	
CRS-BLUEWATER	EPA 7470A	Mercury	ND U	0.12	0.20	ug/L		0.20 U	
CRS-BLUEWATER	EPA 8260D	1,1,1,2-Tetrachloroethane	ND U	3.4	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,1,1-Trichloroethane	ND U	1.8	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,1,2,2-Tetrachloroethane	ND U	2.2	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,1,2-Trichloroethane	ND U	2.4	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,1-Dichloroethane	ND U	2.7	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,1-Dichloroethene	ND U	2.4	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,1-Dichloropropene	ND U	2.1	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,2,3-Trichlorobenzene	ND U	3.4	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,2,3-Trichloropropane	ND U	3.5	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,2,4-Trichlorobenzene	ND U	2.2	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,2-Dibromo-3-chloropropane	ND U	2.6	50.0	ug/L		50.0 U	
CRS-BLUEWATER	EPA 8260D	1,2-Dibromoethane (EDB)	ND U	2.6	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,2-Dichlorobenzene	ND U	2.9	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,2-Dichloroethane	ND U	3.4	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,2-Dichloropropane	ND U	1.9	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,3-Dichlorobenzene	ND U	2.2	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,3-Dichloropropane	ND U	1.6	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	1,4-Dichlorobenzene	ND U	2.6	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	2,2-Dichloropropane	ND U	2.7	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	2-Butanone (MEK)	ND U	33.3	50.0	ug/L		50.0 U	
CRS-BLUEWATER	EPA 8260D	2-Chlorotoluene	ND U	2.0	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	2-Hexanone	ND U	5.7	50.0	ug/L		50.0 U	
CRS-BLUEWATER	EPA 8260D	4-Chlorotoluene	ND U	2.0	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	4-Methyl-2-pentanone (MIBK)	ND U	45.3	50.0	ug/L		50.0 U	
CRS-BLUEWATER	EPA 8260D	Acetone	356	61.7	250	ug/L		356	
CRS-BLUEWATER	EPA 8260D	Benzene	ND U	1.5	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	Bromobenzene	ND U	2.2	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	Bromochloromethane	ND U	3.4	10.0	ug/L		10.0 U	
CRS-BLUEWATER	EPA 8260D	Bromodichloromethane	ND U	2.6	10.0	ug/L		10.0 U	

CELADON RECYCLING SOLUTIONS SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS-BLUEWATER	EPA 8260D	Bromoform	ND U		6.2	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Bromomethane	ND U		6.2	20.0	ug/L	20.0	UJ
CRS-BLUEWATER	EPA 8260D	Carbon tetrachloride	ND U		2.2	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Chlorobenzene	ND U		2.3	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Chloroethane	ND U		4.9	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Chloroform	ND U		23.4	50.0	ug/L	50.0	U
CRS-BLUEWATER	EPA 8260D	Chloromethane	ND U		3.9	10.0	ug/L	10.0	UJ
CRS-BLUEWATER	EPA 8260D	cis-1,2-Dichloroethene	ND U		2.9	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	cis-1,3-Dichloropropene	ND U		3.0	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Dibromochloromethane	ND U		4.1	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Dibromomethane	ND U		4.6	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Dichlorodifluoromethane	ND U		2.3	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Diisopropyl ether	ND U		2.2	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Ethylbenzene	ND U		2.6	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Hexachloro-1,3-butadiene	ND U		4.4	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	m&p-Xylene	11.1J J		4.1	20.0	ug/L	11.1	J
CRS-BLUEWATER	EPA 8260D	Methylene Chloride	ND U		36.9	50.0	ug/L	50.0	U
CRS-BLUEWATER	EPA 8260D	Methyl-tert-butyl ether	ND U		2.8	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Naphthalene	6.0J J		3.5	10.0	ug/L	6.0	J
CRS-BLUEWATER	EPA 8260D	o-Xylene	4.8J J		2.2	10.0	ug/L	4.8	J
CRS-BLUEWATER	EPA 8260D	p-Isopropyltoluene	ND U		2.1	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Styrene	173		2.7	10.0	ug/L	173	
CRS-BLUEWATER	EPA 8260D	Tetrachloroethene	11.7		1.6	10.0	ug/L	11.7	
CRS-BLUEWATER	EPA 8260D	Toluene	4.9J J		2.4	10.0	ug/L	4.9	J
CRS-BLUEWATER	EPA 8260D	trans-1,2-Dichloroethene	ND U		2.5	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	trans-1,3-Dichloropropene	ND U		3.1	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Trichloroethene	ND U		2.2	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Trichlorofluoromethane	ND U		3.1	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Vinyl acetate	ND U		14.5	20.0	ug/L	20.0	U
CRS-BLUEWATER	EPA 8260D	Vinyl chloride	ND U		2.4	10.0	ug/L	10.0	U
CRS-BLUEWATER	EPA 8260D	Xylene (Total)	15.9		6.3	10.0	ug/L	15.9	
CRS-SW-DS	EPA 6020B	Arsenic	0.90		0.087	0.10	ug/L	0.90	
CRS-SW-DS	EPA 6020B	Barium	17.9		0.21	0.30	ug/L	17.9	
CRS-SW-DS	EPA 6020B	Cadmium	ND U		0.060	0.080	ug/L	0.080	U
CRS-SW-DS	EPA 6020B	Chromium	ND U		0.50	0.50	ug/L	0.50	U
CRS-SW-DS	EPA 6020B	Lead	0.30		0.077	0.10	ug/L	0.30	
CRS-SW-DS	EPA 6020B	Selenium	0.096J J		0.061	0.50	ug/L	0.096	J

CELADON RECYCLING SOLUTIONS SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS-SW-DS	EPA 6020B	Silver	ND U		0.070	0.40	ug/L	0.40	U
CRS-SW-DS	EPA 7470A	Mercury	ND U		0.12	0.20	ug/L	0.20	U
CRS-SW-DS	EPA 8260D	1,1,1,2-Tetrachloroethane	ND U		0.34	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,1,1-Trichloroethane	ND U		0.18	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,1,2,2-Tetrachloroethane	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,1,2-Trichloroethane	ND U		0.24	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,1-Dichloroethane	ND U		0.27	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,1-Dichloroethene	ND U		0.24	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,1-Dichloropropene	ND U		0.21	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,2,3-Trichlorobenzene	ND U		0.34	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,2,3-Trichloropropane	ND U		0.35	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,2,4-Trichlorobenzene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,2-Dibromo-3-chloropropane	ND U		0.26	5.0	ug/L	5.0	U
CRS-SW-DS	EPA 8260D	1,2-Dibromoethane (EDB)	ND U		0.26	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,2-Dichlorobenzene	ND U		0.29	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,2-Dichloroethane	ND U		0.34	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,2-Dichloropropane	ND U		0.19	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,3-Dichlorobenzene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,3-Dichloropropane	ND U		0.16	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	1,4-Dichlorobenzene	ND U		0.26	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	2,2-Dichloropropane	ND U		0.27	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	2-Butanone (MEK)	ND U		3.3	5.0	ug/L	5.0	U
CRS-SW-DS	EPA 8260D	2-Chlorotoluene	ND U		0.20	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	2-Hexanone	ND U		0.57	5.0	ug/L	5.0	U
CRS-SW-DS	EPA 8260D	4-Chlorotoluene	ND U		0.20	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	4-Methyl-2-pentanone (MIBK)	ND U		4.5	5.0	ug/L	5.0	U
CRS-SW-DS	EPA 8260D	Acetone	ND U		6.2	25.0	ug/L	25.0	U
CRS-SW-DS	EPA 8260D	Benzene	ND U		0.15	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	Bromobenzene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	Bromochloromethane	ND U		0.34	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	Bromodichloromethane	ND U		0.26	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	Bromoform	ND U		0.62	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	Bromomethane	ND U		0.62	2.0	ug/L	2.0	U
CRS-SW-DS	EPA 8260D	Carbon tetrachloride	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	Chlorobenzene	ND U		0.23	1.0	ug/L	1.0	U
CRS-SW-DS	EPA 8260D	Chloroethane	ND U		0.49	1.0	ug/L	1.0	UJ
CRS-SW-DS	EPA 8260D	Chloroform	ND U		2.3	5.0	ug/L	5.0	U

CELADON RECYCLING SOLUTIONS SLUDGE ANALYTICAL RESULTS SUMMARY
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Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS-SW-DS	EPA 8260D	Chloromethane	8.0	0.39	1.0	ug/L	8.0 J		
CRS-SW-DS	EPA 8260D	cis-1,2-Dichloroethene	ND U	0.29	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	cis-1,3-Dichloropropene	ND U	0.30	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Dibromochloromethane	ND U	0.41	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Dibromomethane	ND U	0.46	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Dichlorodifluoromethane	ND U	0.23	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Diisopropyl ether	ND U	0.22	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Ethylbenzene	ND U	0.26	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Hexachloro-1,3-butadiene	ND U	0.44	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	m&p-Xylene	ND U	0.41	2.0	ug/L	2.0 U		
CRS-SW-DS	EPA 8260D	Methylene Chloride	ND U	3.7	5.0	ug/L	5.0 U		
CRS-SW-DS	EPA 8260D	Methyl-tert-butyl ether	ND U	0.28	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Naphthalene	ND U	0.35	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	o-Xylene	ND U	0.22	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	p-Isopropyltoluene	ND U	0.21	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Styrene	ND U	0.27	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Tetrachloroethene	ND U	0.16	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Toluene	ND U	0.24	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	trans-1,2-Dichloroethene	ND U	0.25	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	trans-1,3-Dichloropropene	ND U	0.31	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Trichloroethene	ND U	0.22	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Trichlorofluoromethane	ND U	0.31	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Vinyl acetate	ND U	1.4	2.0	ug/L	2.0 U		
CRS-SW-DS	EPA 8260D	Vinyl chloride	ND U	0.24	1.0	ug/L	1.0 U		
CRS-SW-DS	EPA 8260D	Xylene (Total)	ND U	0.63	1.0	ug/L	1.0 U		
CRS-SW-DUP	EPA 6020B	Arsenic	1.0	0.087	0.10	ug/L	1.0		
CRS-SW-DUP	EPA 6020B	Barium	19.1	0.21	0.30	ug/L	19.1		
CRS-SW-DUP	EPA 6020B	Cadmium	ND U	0.060	0.080	ug/L	0.080 U		
CRS-SW-DUP	EPA 6020B	Chromium	0.63	0.50	0.50	ug/L	0.63		
CRS-SW-DUP	EPA 6020B	Lead	0.37	0.077	0.10	ug/L	0.37		
CRS-SW-DUP	EPA 6020B	Selenium	ND U	0.061	0.50	ug/L	0.50 U		
CRS-SW-DUP	EPA 6020B	Silver	ND U	0.070	0.40	ug/L	0.40 U		
CRS-SW-DUP	EPA 7470A	Mercury	ND U	0.12	0.20	ug/L	0.20 U		
CRS-SW-DUP	EPA 8260D	1,1,1,2-Tetrachloroethane	ND U	0.34	1.0	ug/L	1.0 U		
CRS-SW-DUP	EPA 8260D	1,1,1-Trichloroethane	ND U	0.18	1.0	ug/L	1.0 U		
CRS-SW-DUP	EPA 8260D	1,1,2,2-Tetrachloroethane	ND U	0.22	1.0	ug/L	1.0 U		
CRS-SW-DUP	EPA 8260D	1,1,2-Trichloroethane	ND U	0.24	1.0	ug/L	1.0 U		

CELADON RECYCLING SOLUTIONS SLUDGE ANALYTICAL RESULTS SUMMARY
PACE ANALYTICAL SERVICES REPORT NO. 92516951

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS-SW-DUP	EPA 8260D	1,1-Dichloroethane	ND U		0.27	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,1-Dichloroethene	ND U		0.24	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,1-Dichloropropene	ND U		0.21	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,2,3-Trichlorobenzene	ND U		0.34	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,2,3-Trichloropropane	ND U		0.35	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,2,4-Trichlorobenzene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,2-Dibromo-3-chloropropane	ND U		0.26	5.0	ug/L	5.0	U
CRS-SW-DUP	EPA 8260D	1,2-Dibromoethane (EDB)	ND U		0.26	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,2-Dichlorobenzene	ND U		0.29	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,2-Dichloroethane	ND U		0.34	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,2-Dichloropropene	ND U		0.19	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,3-Dichlorobenzene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,3-Dichloropropane	ND U		0.16	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	1,4-Dichlorobenzene	ND U		0.26	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	2,2-Dichloropropane	ND U		0.27	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	2-Butanone (MEK)	ND U		3.3	5.0	ug/L	5.0	U
CRS-SW-DUP	EPA 8260D	2-Chlorotoluene	ND U		0.20	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	2-Hexanone	ND U		0.57	5.0	ug/L	5.0	U
CRS-SW-DUP	EPA 8260D	4-Chlorotoluene	ND U		0.20	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	4-Methyl-2-pentanone (MIBK)	ND U		4.5	5.0	ug/L	5.0	U
CRS-SW-DUP	EPA 8260D	Acetone	11.9 J	J	6.2	25.0	ug/L	11.9	J
CRS-SW-DUP	EPA 8260D	Benzene	ND U		0.15	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Bromobenzene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Bromochloromethane	ND U		0.34	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Bromodichloromethane	ND U		0.26	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Bromoform	ND U		0.62	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Bromomethane	ND U		0.62	2.0	ug/L	2.0	U
CRS-SW-DUP	EPA 8260D	Carbon tetrachloride	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Chlorobenzene	ND U		0.23	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Chloroethane	ND U		0.49	1.0	ug/L	1.0	UJ
CRS-SW-DUP	EPA 8260D	Chloroform	ND U		2.3	5.0	ug/L	5.0	U
CRS-SW-DUP	EPA 8260D	Chloromethane	5.7		0.39	1.0	ug/L	5.7	J
CRS-SW-DUP	EPA 8260D	cis-1,2-Dichloroethene	ND U		0.29	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	cis-1,3-Dichloropropene	ND U		0.30	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Dibromochloromethane	ND U		0.41	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Dibromomethane	ND U		0.46	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Dichlorodifluoromethane	ND U		0.23	1.0	ug/L	1.0	U

CELADON RECYCLING SOLUTIONS SLUDGE ANALYTICAL RESULTS SUMMARY
PACE ANALYTICAL SERVICES REPORT NO. 92516951

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS-SW-DUP	EPA 8260D	Diisopropyl ether	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Ethylbenzene	ND U		0.26	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Hexachloro-1,3-butadiene	ND U		0.44	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	m&p-Xylene	ND U		0.41	2.0	ug/L	2.0	U
CRS-SW-DUP	EPA 8260D	Methylene Chloride	ND U		3.7	5.0	ug/L	5.0	U
CRS-SW-DUP	EPA 8260D	Methyl-tert-butyl ether	ND U		0.28	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Naphthalene	ND U		0.35	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	o-Xylene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	p-Isopropyltoluene	ND U		0.21	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Styrene	ND U		0.27	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Tetrachloroethene	ND U		0.16	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Toluene	ND U		0.24	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	trans-1,2-Dichloroethene	ND U		0.25	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	trans-1,3-Dichloropropene	ND U		0.31	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Trichloroethene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Trichlorofluoromethane	ND U		0.31	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Vinyl acetate	ND U		1.4	2.0	ug/L	2.0	U
CRS-SW-DUP	EPA 8260D	Vinyl chloride	ND U		0.24	1.0	ug/L	1.0	U
CRS-SW-DUP	EPA 8260D	Xylene (Total)	ND U		0.63	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 6020B	Arsenic	0.63		0.087	0.10	ug/L	0.63	
CRS-SW-UP	EPA 6020B	Barium	15.2		0.21	0.30	ug/L	15.2	
CRS-SW-UP	EPA 6020B	Cadmium	ND U		0.060	0.080	ug/L	0.080	U
CRS-SW-UP	EPA 6020B	Chromium	ND U		0.50	0.50	ug/L	0.50	U
CRS-SW-UP	EPA 6020B	Lead	0.12		0.077	0.10	ug/L	0.12	
CRS-SW-UP	EPA 6020B	Selenium	ND U		0.061	0.50	ug/L	0.50	U
CRS-SW-UP	EPA 6020B	Silver	ND U		0.070	0.40	ug/L	0.40	U
CRS-SW-UP	EPA 7470A	Mercury	ND U		0.12	0.20	ug/L	0.20	U
CRS-SW-UP	EPA 8260D	1,1,1,2-Tetrachloroethane	ND U		0.34	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,1,1-Trichloroethane	ND U		0.18	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,1,2,2-Tetrachloroethane	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,1,2-Trichloroethane	ND U		0.24	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,1-Dichloroethane	ND U		0.27	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,1-Dichloroethene	ND U		0.24	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,1-Dichloropropene	ND U		0.21	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,2,3-Trichlorobenzene	ND U		0.34	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,2,3-Trichloropropane	ND U		0.35	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,2,4-Trichlorobenzene	ND U		0.22	1.0	ug/L	1.0	U

CELADON RECYCLING SOLUTIONS SLUDGE ANALYTICAL RESULTS SUMMARY
PACE ANALYTICAL SERVICES REPORT NO. 92516951

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS-SW-UP	EPA 8260D	1,2-Dibromo-3-chloropropane	ND U		0.26	5.0	ug/L	5.0	U
CRS-SW-UP	EPA 8260D	1,2-Dibromoethane (EDB)	ND U		0.26	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,2-Dichlorobenzene	ND U		0.29	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,2-Dichloroethane	ND U		0.34	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,2-Dichloropropane	ND U		0.19	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,3-Dichlorobenzene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,3-Dichloropropane	ND U		0.16	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	1,4-Dichlorobenzene	ND U		0.26	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	2,2-Dichloropropane	ND U		0.27	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	2-Butanone (MEK)	ND U		3.3	5.0	ug/L	5.0	U
CRS-SW-UP	EPA 8260D	2-Chlorotoluene	ND U		0.20	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	2-Hexanone	ND U		0.57	5.0	ug/L	5.0	U
CRS-SW-UP	EPA 8260D	4-Chlorotoluene	ND U		0.20	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	4-Methyl-2-pentanone (MIBK)	ND U		4.5	5.0	ug/L	5.0	U
CRS-SW-UP	EPA 8260D	Acetone	ND U		6.2	25.0	ug/L	25.0	U
CRS-SW-UP	EPA 8260D	Benzene	ND U		0.15	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Bromobenzene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Bromochloromethane	ND U		0.34	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Bromodichloromethane	ND U		0.26	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Bromoform	ND U		0.62	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Bromomethane	ND U		0.62	2.0	ug/L	2.0	U
CRS-SW-UP	EPA 8260D	Carbon tetrachloride	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Chlorobenzene	ND U		0.23	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Chloroethane	ND U		0.49	1.0	ug/L	1.0	UJ
CRS-SW-UP	EPA 8260D	Chloroform	ND U		2.3	5.0	ug/L	5.0	U
CRS-SW-UP	EPA 8260D	Chloromethane	16.5		0.39	1.0	ug/L	16.5	J
CRS-SW-UP	EPA 8260D	cis-1,2-Dichloroethene	ND U		0.29	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	cis-1,3-Dichloropropene	ND U		0.30	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Dibromochloromethane	ND U		0.41	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Dibromomethane	ND U		0.46	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Dichlorodifluoromethane	ND U		0.23	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Diisopropyl ether	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Ethylbenzene	ND U		0.26	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Hexachloro-1,3-butadiene	ND U		0.44	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	m&p-Xylene	ND U		0.41	2.0	ug/L	2.0	U
CRS-SW-UP	EPA 8260D	Methylene Chloride	ND U		3.7	5.0	ug/L	5.0	U
CRS-SW-UP	EPA 8260D	Methyl-tert-butyl ether	ND U		0.28	1.0	ug/L	1.0	U

CELADON RECYCLING SOLUTIONS SLUDGE ANALYTICAL RESULTS SUMMARY
PACE ANALYTICAL SERVICES REPORT NO. 92516951

Sample ID	Method	Analyte	Lab Results	Lab Quals	MDL	RL	Units	Val Results	Val Quals
CRS-SW-UP	EPA 8260D	Naphthalene	ND U		0.35	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	o-Xylene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	p-Isopropyltoluene	ND U		0.21	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Styrene	ND U		0.27	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Tetrachloroethene	ND U		0.16	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Toluene	ND U		0.24	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	trans-1,2-Dichloroethene	ND U		0.25	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	trans-1,3-Dichloropropene	ND U		0.31	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Trichloroethene	ND U		0.22	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Trichlorofluoromethane	ND U		0.31	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Vinyl acetate	ND U		1.4	2.0	ug/L	2.0	U
CRS-SW-UP	EPA 8260D	Vinyl chloride	ND U		0.24	1.0	ug/L	1.0	U
CRS-SW-UP	EPA 8260D	Xylene (Total)	ND U		0.63	1.0	ug/L	1.0	U

ATTACHMENT 1
LABORATORY DATA PACKAGES
(97 Pages)



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

January 25, 2021

Jessica Vickers
Tetra Tech EM Inc.

1955 Evergreen Blvd
Duluth GA 30096

RE: Celadon Recycling Solutions

Dear Jessica Vickers:

Order No: 2101H98

Analytical Environmental Services, Inc. received 12 samples on 1/20/2021 9:21:00 AM for the analyses presented in following report.

"No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

AES' certifications are as follows:

-NELAP/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for Organics, and Drinking Water Microbiology & Metals, effective 07/01/20-06/30/21.

-North Carolina Certification number 562 for analysis of Surface Water, Groundwater, Effluent, effective until 12/31/20.

-South Carolina Environmental Laboratory Certification number 98016003 effective until 6/30/21.

These results relate only to the items tested as received. This report may only be reproduced in full and with written permission from the laboratory.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Paris Masoudi

Paris Masoudi
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 2/01/H98

Date: 1/15/21 Page 1 of 1

COMPANY TetraTech EMI		ADDRESS 1955 Evergreen Blvd Duluth GA 30096		ANALYSIS REQUESTED								Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers										
		FAX:		VOC	PCP	As	Mercury																
PHONE 770-402-9013		SAMPLER BY John Snyder		SIGNATURE <i>John Snyder</i>		PRESERVATION (See codes)								REMARKS									
#	SAMPLE ID	SAMPLED		DATE	TIME	Grab	Composite	Matrix (See codes)															
1	CRS - Secondary	/		1/15	1005	/		WW	/ /								2						
2	CRS - Primary	/			1015	/		WW	/ /								/						
3	CRS - TT - A	/			1100	/		Sedge	/ /								/						
4	CRS - TT - B	/			1103	/											/						
5	CRS - TT - C	/			1106	/											/						
6	CRS - TT - D	/			1110	/											/						
7	CRS - TT - E	/			1115	/											/						
8	CRS - TT - F	/			1117	/											/						
9	CRS - TT - G	/			1120	/											/						
10	CRS - TT - H	/			1125	/											/						
11	CRS - TT - I	/			1130	/											/						
12	CRS - TT - J	/			1135	/											/						
13																							
14																							
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT					
1:		1:		1: Maren Cartwright		1/20/21 9:21		PROJECT NAME: Celadon Recycling Solutions										Total # of Containers 24					
2:		2:						PROJECT #:										Turnaround Time Request					
3:		3:						SITE ADDRESS: Lincolnton, NC										Standard 5 Business Days					
								SEND REPORT TO: Jessica Vickers										2 Business Day Rush					
								INVOICE TO: (IF DIFFERENT FROM ABOVE) Vickers										Next Business Day Rush					
								QUOTE #: _____ PO #: _____										Same Day Rush (auth req.)					
																		Other					
																		STATE PROGRAM (if any): _____					
																		E-mail? Y/N, Fax? Y/N					
																		DATA PACKAGE: I II III IV					
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.																							
MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None																							

White Copy - Original; Yellow Copy - Client

Client: Tetra Tech EM Inc.
Project: Celadon Recycling Solutions
Lab ID: 2101H98

Case Narrative

Sample Receiving Nonconformance:

Vials in accordance with Method 5030 and 5035 were not received for samples. Vials were prepared at the laboratory from the sample jar Per John Snyder with Tetra Tech via e-mail on 1/20/2021.

Mercury Analysis by Method 7470A:

Due to sample matrix, samples 2101H98-001B and -002B required dilution during preparation resulting in elevated reporting limits.

Volatile Organic Compounds Analysis by Method 8260D:

Due to sample matrix, sample 2101H98-001A and -002A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - Secondary
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 10:05:00 AM
Lab ID: 2101H98-001	Matrix: Waste Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D									
(SW5030B)									
1,1,1-Trichloroethane	BRL	22	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,1,2,2-Tetrachloroethane	BRL	19	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,1,2-Trichloroethane	BRL	14	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,1-Dichloroethane	BRL	22	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,1-Dichloroethene	BRL	29	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,2,4-Trichlorobenzene	BRL	25	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,2-Dibromo-3-chloropropane	BRL	27	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,2-Dibromoethane	BRL	14	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,2-Dichlorobenzene	BRL	20	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,2-Dichloroethane	BRL	21	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,2-Dichloropropane	BRL	18	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,3-Dichlorobenzene	BRL	14	250	ug/L	309121	50	01/22/2021 15:29	OM	
1,4-Dichlorobenzene	BRL	19	250	ug/L	309121	50	01/22/2021 15:29	OM	
2-Butanone	BRL	320	2500	ug/L	309121	50	01/22/2021 15:29	OM	
2-Hexanone	BRL	140	500	ug/L	309121	50	01/22/2021 15:29	OM	
4-Methyl-2-pentanone	BRL	140	500	ug/L	309121	50	01/22/2021 15:29	OM	
Acetone	3500	360	2500	ug/L	309121	50	01/22/2021 15:29	OM	
Benzene	BRL	19	250	ug/L	309121	50	01/22/2021 15:29	OM	
Bromodichloromethane	BRL	16	250	ug/L	309121	50	01/22/2021 15:29	OM	
Bromoform	BRL	26	250	ug/L	309121	50	01/22/2021 15:29	OM	
Bromomethane	BRL	32	250	ug/L	309121	50	01/22/2021 15:29	OM	
Carbon disulfide	BRL	48	250	ug/L	309121	50	01/22/2021 15:29	OM	
Carbon tetrachloride	BRL	22	250	ug/L	309121	50	01/22/2021 15:29	OM	
Chlorobenzene	BRL	16	250	ug/L	309121	50	01/22/2021 15:29	OM	
Chloroethane	BRL	28	500	ug/L	309121	50	01/22/2021 15:29	OM	
Chloroform	BRL	19	250	ug/L	309121	50	01/22/2021 15:29	OM	
Chloromethane	BRL	24	500	ug/L	309121	50	01/22/2021 15:29	OM	
cis-1,2-Dichloroethene	BRL	15	250	ug/L	309121	50	01/22/2021 15:29	OM	
cis-1,3-Dichloropropene	BRL	13	250	ug/L	309121	50	01/22/2021 15:29	OM	
Cyclohexane	BRL	43	250	ug/L	309121	50	01/22/2021 15:29	OM	
Dibromochloromethane	BRL	23	250	ug/L	309121	50	01/22/2021 15:29	OM	
Dichlorodifluoromethane	BRL	32	500	ug/L	309121	50	01/22/2021 15:29	OM	
Ethylbenzene	BRL	19	250	ug/L	309121	50	01/22/2021 15:29	OM	
Freon-113	BRL	22	500	ug/L	309121	50	01/22/2021 15:29	OM	
Isopropylbenzene	BRL	23	250	ug/L	309121	50	01/22/2021 15:29	OM	
m,p-Xylene	BRL	41	250	ug/L	309121	50	01/22/2021 15:29	OM	
Methyl acetate	BRL	29	250	ug/L	309121	50	01/22/2021 15:29	OM	
Methyl tert-butyl ether	BRL	18	250	ug/L	309121	50	01/22/2021 15:29	OM	
Methylcyclohexane	BRL	23	250	ug/L	309121	50	01/22/2021 15:29	OM	
Methylene chloride	BRL	80	250	ug/L	309121	50	01/22/2021 15:29	OM	
o-Xylene	BRL	16	250	ug/L	309121	50	01/22/2021 15:29	OM	
Styrene	BRL	25	250	ug/L	309121	50	01/22/2021 15:29	OM	
Tetrachloroethene	BRL	25	250	ug/L	309121	50	01/22/2021 15:29	OM	

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

F Analyzed in the lab which is a deviation from the method

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - Secondary
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 10:05:00 AM
Lab ID: 2101H98-001	Matrix: Waste Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D									
Toluene	BRL	16	250	ug/L	309121	50	01/22/2021 15:29	OM	
trans-1,2-Dichloroethene	BRL	23	250	ug/L	309121	50	01/22/2021 15:29	OM	
trans-1,3-Dichloropropene	BRL	28	250	ug/L	309121	50	01/22/2021 15:29	OM	
Trichloroethene	BRL	25	250	ug/L	309121	50	01/22/2021 15:29	OM	
Trichlorofluoromethane	BRL	23	250	ug/L	309121	50	01/22/2021 15:29	OM	
Vinyl chloride	BRL	23	100	ug/L	309121	50	01/22/2021 15:29	OM	
Surr: 4-Bromofluorobenzene	91.8	0	74.9-127	%REC	309121	50	01/22/2021 15:29	OM	
Surr: Dibromofluoromethane	101	0	78.9-121	%REC	309121	50	01/22/2021 15:29	OM	
Surr: Toluene-d8	98.8	0	81.5-120	%REC	309121	50	01/22/2021 15:29	OM	
Mercury, Total SW7470A									
Mercury	0.00066	J	0.00062	0.00320	mg/L	309156	1	01/21/2021 20:02	SK
METALS, TOTAL SW6010D									
Arsenic	BRL	0.0072	0.0500	mg/L	309099	1	01/22/2021 12:37	KB	
Barium	0.415	0.0027	0.0200	mg/L	309099	1	01/22/2021 12:37	KB	
Cadmium	0.0024	J	0.0019	0.0050	mg/L	309099	1	01/22/2021 12:37	KB
Chromium	0.170	0.0032	0.0100	mg/L	309099	1	01/22/2021 12:37	KB	
Lead	0.0336	0.0038	0.0100	mg/L	309099	1	01/22/2021 12:37	KB	
Selenium	0.0147	J	0.0074	0.0200	mg/L	309099	1	01/22/2021 12:37	KB
Silver	BRL	0.0026	0.0100	mg/L	309099	1	01/22/2021 12:37	KB	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - Primary
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 10:15:00 AM
Lab ID: 2101H98-002	Matrix: Waste Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D		(SW5030B)							
1,1,1-Trichloroethane	BRL	22	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,1,2,2-Tetrachloroethane	BRL	19	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,1,2-Trichloroethane	BRL	14	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,1-Dichloroethane	BRL	22	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,1-Dichloroethene	BRL	29	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,2,4-Trichlorobenzene	BRL	25	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,2-Dibromo-3-chloropropane	BRL	27	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,2-Dibromoethane	BRL	14	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,2-Dichlorobenzene	BRL	20	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,2-Dichloroethane	BRL	21	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,2-Dichloropropane	BRL	18	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,3-Dichlorobenzene	BRL	14	250	ug/L	309121	50	01/22/2021 15:53	OM	
1,4-Dichlorobenzene	BRL	19	250	ug/L	309121	50	01/22/2021 15:53	OM	
2-Butanone	BRL	320	2500	ug/L	309121	50	01/22/2021 15:53	OM	
2-Hexanone	BRL	140	500	ug/L	309121	50	01/22/2021 15:53	OM	
4-Methyl-2-pentanone	BRL	140	500	ug/L	309121	50	01/22/2021 15:53	OM	
Acetone	5600	360	2500	ug/L	309121	50	01/22/2021 15:53	OM	
Benzene	BRL	19	250	ug/L	309121	50	01/22/2021 15:53	OM	
Bromodichloromethane	BRL	16	250	ug/L	309121	50	01/22/2021 15:53	OM	
Bromoform	BRL	26	250	ug/L	309121	50	01/22/2021 15:53	OM	
Bromomethane	BRL	32	250	ug/L	309121	50	01/22/2021 15:53	OM	
Carbon disulfide	BRL	48	250	ug/L	309121	50	01/22/2021 15:53	OM	
Carbon tetrachloride	BRL	22	250	ug/L	309121	50	01/22/2021 15:53	OM	
Chlorobenzene	BRL	16	250	ug/L	309121	50	01/22/2021 15:53	OM	
Chloroethane	BRL	28	500	ug/L	309121	50	01/22/2021 15:53	OM	
Chloroform	BRL	19	250	ug/L	309121	50	01/22/2021 15:53	OM	
Chloromethane	BRL	24	500	ug/L	309121	50	01/22/2021 15:53	OM	
cis-1,2-Dichloroethene	BRL	15	250	ug/L	309121	50	01/22/2021 15:53	OM	
cis-1,3-Dichloropropene	BRL	13	250	ug/L	309121	50	01/22/2021 15:53	OM	
Cyclohexane	BRL	43	250	ug/L	309121	50	01/22/2021 15:53	OM	
Dibromochloromethane	BRL	23	250	ug/L	309121	50	01/22/2021 15:53	OM	
Dichlorodifluoromethane	BRL	32	500	ug/L	309121	50	01/22/2021 15:53	OM	
Ethylbenzene	BRL	19	250	ug/L	309121	50	01/22/2021 15:53	OM	
Freon-113	BRL	22	500	ug/L	309121	50	01/22/2021 15:53	OM	
Isopropylbenzene	BRL	23	250	ug/L	309121	50	01/22/2021 15:53	OM	
m,p-Xylene	BRL	41	250	ug/L	309121	50	01/22/2021 15:53	OM	
Methyl acetate	BRL	29	250	ug/L	309121	50	01/22/2021 15:53	OM	
Methyl tert-butyl ether	BRL	18	250	ug/L	309121	50	01/22/2021 15:53	OM	
Methylcyclohexane	BRL	23	250	ug/L	309121	50	01/22/2021 15:53	OM	
Methylene chloride	BRL	80	250	ug/L	309121	50	01/22/2021 15:53	OM	
o-Xylene	BRL	16	250	ug/L	309121	50	01/22/2021 15:53	OM	
Styrene	1200	25	250	ug/L	309121	50	01/22/2021 15:53	OM	
Tetrachloroethene	BRL	25	250	ug/L	309121	50	01/22/2021 15:53	OM	

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

F Analyzed in the lab which is a deviation from the method

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - Primary
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 10:15:00 AM
Lab ID: 2101H98-002	Matrix: Waste Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D									
Toluene	BRL	16	250	ug/L	309121	50	01/22/2021 15:53	OM	
trans-1,2-Dichloroethene	BRL	23	250	ug/L	309121	50	01/22/2021 15:53	OM	
trans-1,3-Dichloropropene	BRL	28	250	ug/L	309121	50	01/22/2021 15:53	OM	
Trichloroethene	BRL	25	250	ug/L	309121	50	01/22/2021 15:53	OM	
Trichlorofluoromethane	BRL	23	250	ug/L	309121	50	01/22/2021 15:53	OM	
Vinyl chloride	BRL	23	100	ug/L	309121	50	01/22/2021 15:53	OM	
Surr: 4-Bromofluorobenzene	91.5	0	74.9-127	%REC	309121	50	01/22/2021 15:53	OM	
Surr: Dibromofluoromethane	102	0	78.9-121	%REC	309121	50	01/22/2021 15:53	OM	
Surr: Toluene-d8	101	0	81.5-120	%REC	309121	50	01/22/2021 15:53	OM	
Mercury, Total SW7470A									
Mercury	0.00068	J	0.00062	0.00320	mg/L	309156	1	01/21/2021 20:14	SK
METALS, TOTAL SW6010D									
Arsenic	BRL	0.0072	0.0500	mg/L	309099	1	01/22/2021 12:40	KB	
Barium	0.237	0.0027	0.0200	mg/L	309099	1	01/22/2021 12:40	KB	
Cadmium	BRL	0.0019	0.0050	mg/L	309099	1	01/22/2021 12:40	KB	
Chromium	0.0812	0.0032	0.0100	mg/L	309099	1	01/22/2021 12:40	KB	
Lead	0.0186	0.0038	0.0100	mg/L	309099	1	01/22/2021 12:40	KB	
Selenium	0.0091	J	0.0074	0.0200	mg/L	309099	1	01/22/2021 12:40	KB
Silver	BRL	0.0026	0.0100	mg/L	309099	1	01/22/2021 12:40	KB	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - A1
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:00:00 AM
Lab ID: 2101H98-003	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Mercury - Waste	(SW7471B)								
Mercury	BRL		0.0185	0.0863	mg/Kg	309115	1	01/21/2021 14:12	SK
TCL VOLATILE ORGANICS	(SW8260D)								
1,1,1-Trichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,1,2,2-Tetrachloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,1,2-Trichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,1-Dichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,1-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,2,4-Trichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,2-Dibromo-3-chloropropane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,2-Dibromoethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,2-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,2-Dichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,2-Dichloropropane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,3-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
1,4-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
2-Butanone	BRL		25000	25000	ug/Kg	309197	50	01/22/2021 11:47	OM
2-Hexanone	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 11:47	OM
4-Methyl-2-pentanone	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 11:47	OM
Acetone	BRL		25000	25000	ug/Kg	309197	50	01/22/2021 11:47	OM
Benzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Bromodichloromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Bromoform	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Bromomethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Carbon disulfide	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 11:47	OM
Carbon tetrachloride	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Chlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Chloroethane	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 11:47	OM
Chloroform	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Chloromethane	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 11:47	OM
cis-1,2-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
cis-1,3-Dichloropropene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Cyclohexane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Dibromochloromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Dichlorodifluoromethane	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 11:47	OM
Ethylbenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Freon-113	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 11:47	OM
Isopropylbenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
m,p-Xylene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Methyl acetate	20000		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Methyl tert-butyl ether	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Methylcyclohexane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Methylene chloride	BRL		2500	10000	ug/Kg	309197	50	01/22/2021 11:47	OM

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

F Analyzed in the lab which is a deviation from the method

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - A1
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:00:00 AM
Lab ID: 2101H98-003	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D (SW5035)									
o-Xylene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Styrene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Tetrachloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Toluene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
trans-1,2-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
trans-1,3-Dichloropropene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Trichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Trichlorofluoromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 11:47	OM
Vinyl chloride	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 11:47	OM
Surr: 4-Bromofluorobenzene	94		0	65.1-125	%REC	309197	50	01/22/2021 11:47	OM
Surr: Dibromofluoromethane	101		0	77.7-123	%REC	309197	50	01/22/2021 11:47	OM
Surr: Toluene-d8	98.7		0	83.2-120	%REC	309197	50	01/22/2021 11:47	OM
METALS, TOTAL SW6010D (SW3050B)									
Arsenic	BRL		0.38	4.6	mg/Kg	308941	1	01/21/2021 15:37	KB
Barium	BRL		0.15	4.6	mg/Kg	308941	1	01/21/2021 15:37	KB
Cadmium	BRL		0.046	2.3	mg/Kg	308941	1	01/21/2021 15:37	KB
Chromium	BRL		0.72	2.3	mg/Kg	308941	1	01/21/2021 15:37	KB
Lead	BRL		0.17	4.6	mg/Kg	308941	1	01/21/2021 15:37	KB
Silver	BRL		0.012	2.3	mg/Kg	308941	1	01/21/2021 15:37	KB
Sodium	70	J	6.2	92	mg/Kg	308941	1	01/21/2021 15:37	KB

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - B								
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:03:00 AM								
Lab ID: 2101H98-004	Matrix: Sludge								
Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Mercury - Waste SW7471B		(SW7471B)							
Mercury	BRL	0.0203	0.0951	mg/Kg	309115	1	01/21/2021 14:26	SK	
TCL VOLATILE ORGANICS SW8260D		(SW5035)							
1,1,1-Trichloroethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,1,2,2-Tetrachloroethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,1,2-Trichloroethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,1-Dichloroethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,1-Dichloroethene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,2,4-Trichlorobenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,2-Dibromo-3-chloropropane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,2-Dibromoethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,2-Dichlorobenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,2-Dichloroethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,2-Dichloropropane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,3-Dichlorobenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
1,4-Dichlorobenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
2-Butanone	BRL	25000	25000	ug/Kg	309197	50	01/22/2021 12:11	OM	
2-Hexanone	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 12:11	OM	
4-Methyl-2-pentanone	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 12:11	OM	
Acetone	BRL	25000	25000	ug/Kg	309197	50	01/22/2021 12:11	OM	
Benzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Bromodichloromethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Bromoform	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Bromomethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Carbon disulfide	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 12:11	OM	
Carbon tetrachloride	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Chlorobenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Chloroethane	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 12:11	OM	
Chloroform	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Chloromethane	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 12:11	OM	
cis-1,2-Dichloroethene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
cis-1,3-Dichloropropene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Cyclohexane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Dibromochloromethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Dichlorodifluoromethane	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 12:11	OM	
Ethylbenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Freon-113	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 12:11	OM	
Isopropylbenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
m,p-Xylene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Methyl acetate	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Methyl tert-butyl ether	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Methylcyclohexane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM	
Methylene chloride	BRL	2500	9800	ug/Kg	309197	50	01/22/2021 12:11	OM	

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

F Analyzed in the lab which is a deviation from the method

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - B
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:03:00 AM
Lab ID: 2101H98-004	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D (SW5035)									
o-Xylene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM
Styrene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM
Tetrachloroethene	29000		2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM
Toluene	17000		2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM
trans-1,2-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM
trans-1,3-Dichloropropene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM
Trichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM
Trichlorofluoromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:11	OM
Vinyl chloride	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 12:11	OM
Surr: 4-Bromofluorobenzene	97.2		0	65.1-125	%REC	309197	50	01/22/2021 12:11	OM
Surr: Dibromofluoromethane	102		0	77.7-123	%REC	309197	50	01/22/2021 12:11	OM
Surr: Toluene-d8	99.8		0	83.2-120	%REC	309197	50	01/22/2021 12:11	OM
METALS, TOTAL SW6010D (SW3050B)									
Arsenic	BRL		0.32	3.9	mg/Kg	308941	1	01/21/2021 15:40	KB
Barium	0.39	J	0.13	3.9	mg/Kg	308941	1	01/21/2021 15:40	KB
Cadmium	BRL		0.039	2.0	mg/Kg	308941	1	01/21/2021 15:40	KB
Chromium	BRL		0.62	2.0	mg/Kg	308941	1	01/21/2021 15:40	KB
Lead	0.18	J	0.15	3.9	mg/Kg	308941	1	01/21/2021 15:40	KB
Silver	BRL		0.010	2.0	mg/Kg	308941	1	01/21/2021 15:40	KB
Sodium	300		5.3	79	mg/Kg	308941	1	01/21/2021 15:40	KB

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - C								
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:06:00 AM								
Lab ID: 2101H98-005	Matrix: Sludge								
Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Mercury - Waste	SW7471B				(SW7471B)				
Mercury	BRL		0.0194	0.0906	mg/Kg	309115	1	01/21/2021 14:29	SK
TCL VOLATILE ORGANICS	SW8260D				(SW5035)				
1,1,1-Trichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,1,2,2-Tetrachloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,1,2-Trichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,1-Dichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,1-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,2,4-Trichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,2-Dibromo-3-chloropropane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,2-Dibromoethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,2-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,2-Dichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,2-Dichloropropane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,3-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
1,4-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
2-Butanone	BRL		25000	25000	ug/Kg	309197	50	01/22/2021 12:35	OM
2-Hexanone	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 12:35	OM
4-Methyl-2-pentanone	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 12:35	OM
Acetone	BRL		25000	25000	ug/Kg	309197	50	01/22/2021 12:35	OM
Benzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Bromodichloromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Bromoform	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Bromomethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Carbon disulfide	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 12:35	OM
Carbon tetrachloride	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Chlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Chloroethane	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 12:35	OM
Chloroform	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Chloromethane	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 12:35	OM
cis-1,2-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
cis-1,3-Dichloropropene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Cyclohexane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Dibromochloromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Dichlorodifluoromethane	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 12:35	OM
Ethylbenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Freon-113	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 12:35	OM
Isopropylbenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
m,p-Xylene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Methyl acetate	5700		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Methyl tert-butyl ether	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Methylcyclohexane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Methylene chloride	BRL		2500	9900	ug/Kg	309197	50	01/22/2021 12:35	OM

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - C
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:06:00 AM
Lab ID: 2101H98-005	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D (SW5035)									
o-Xylene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Styrene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Tetrachloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Toluene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
trans-1,2-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
trans-1,3-Dichloropropene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Trichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Trichlorofluoromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 12:35	OM
Vinyl chloride	BRL		5000	5000	ug/Kg	309197	50	01/22/2021 12:35	OM
Surr: 4-Bromofluorobenzene	94.8		0	65.1-125	%REC	309197	50	01/22/2021 12:35	OM
Surr: Dibromofluoromethane	98.1		0	77.7-123	%REC	309197	50	01/22/2021 12:35	OM
Surr: Toluene-d8	98.4		0	83.2-120	%REC	309197	50	01/22/2021 12:35	OM
METALS, TOTAL SW6010D (SW3050B)									
Arsenic	BRL		0.35	4.2	mg/Kg	308941	1	01/21/2021 15:43	KB
Barium	BRL		0.14	4.2	mg/Kg	308941	1	01/21/2021 15:43	KB
Cadmium	BRL		0.042	2.1	mg/Kg	308941	1	01/21/2021 15:43	KB
Chromium	BRL		0.66	2.1	mg/Kg	308941	1	01/21/2021 15:43	KB
Lead	BRL		0.16	4.2	mg/Kg	308941	1	01/21/2021 15:43	KB
Silver	BRL		0.011	2.1	mg/Kg	308941	1	01/21/2021 15:43	KB
Sodium	56	J	5.7	84	mg/Kg	308941	1	01/21/2021 15:43	KB

Qualifiers:	*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
	BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
	H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
	N	Analyte not NELAC certified	>	Greater than Result value
	B	Analyte detected in the associated method blank	<	Less than Result value
	F	Analyzed in the lab which is a deviation from the method	Narr	See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - D								
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:10:00 AM								
Lab ID: 2101H98-006	Matrix: Sludge								
Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Mercury - Waste	SW7471B				(SW7471B)				
Mercury	BRL		0.0204	0.0955	mg/Kg	309115	1	01/21/2021 14:32	SK
TCL VOLATILE ORGANICS	SW8260D				(SW5035)				
1,1,1-Trichloroethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,1,2,2-Tetrachloroethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,1,2-Trichloroethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,1-Dichloroethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,1-Dichloroethene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,2,4-Trichlorobenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,2-Dibromo-3-chloropropane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,2-Dibromoethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,2-Dichlorobenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,2-Dichloroethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,2-Dichloropropane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,3-Dichlorobenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
1,4-Dichlorobenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
2-Butanone	BRL		23000	23000	ug/Kg	309197	50	01/22/2021 13:00	OM
2-Hexanone	BRL		4600	4600	ug/Kg	309197	50	01/22/2021 13:00	OM
4-Methyl-2-pentanone	BRL		4600	4600	ug/Kg	309197	50	01/22/2021 13:00	OM
Acetone	29000		23000	23000	ug/Kg	309197	50	01/22/2021 13:00	OM
Benzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Bromodichloromethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Bromoform	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Bromomethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Carbon disulfide	BRL		4600	4600	ug/Kg	309197	50	01/22/2021 13:00	OM
Carbon tetrachloride	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Chlorobenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Chloroethane	BRL		4600	4600	ug/Kg	309197	50	01/22/2021 13:00	OM
Chloroform	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Chloromethane	BRL		4600	4600	ug/Kg	309197	50	01/22/2021 13:00	OM
cis-1,2-Dichloroethene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
cis-1,3-Dichloropropene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Cyclohexane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Dibromochloromethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Dichlorodifluoromethane	BRL		4600	4600	ug/Kg	309197	50	01/22/2021 13:00	OM
Ethylbenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Freon-113	BRL		4600	4600	ug/Kg	309197	50	01/22/2021 13:00	OM
Isopropylbenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
m,p-Xylene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Methyl acetate	3000		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Methyl tert-butyl ether	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Methylcyclohexane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Methylene chloride	BRL		2300	9300	ug/Kg	309197	50	01/22/2021 13:00	OM

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

F Analyzed in the lab which is a deviation from the method

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - D
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:10:00 AM
Lab ID: 2101H98-006	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D (SW5035)									
o-Xylene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Styrene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Tetrachloroethene	11000		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Toluene	3100		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
trans-1,2-Dichloroethene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
trans-1,3-Dichloropropene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Trichloroethene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Trichlorofluoromethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 13:00	OM
Vinyl chloride	BRL		4600	4600	ug/Kg	309197	50	01/22/2021 13:00	OM
Surr: 4-Bromofluorobenzene	92.9		0	65.1-125	%REC	309197	50	01/22/2021 13:00	OM
Surr: Dibromofluoromethane	102		0	77.7-123	%REC	309197	50	01/22/2021 13:00	OM
Surr: Toluene-d8	97.3		0	83.2-120	%REC	309197	50	01/22/2021 13:00	OM
METALS, TOTAL SW6010D (SW3050B)									
Arsenic	BRL		0.36	4.3	mg/Kg	308941	1	01/21/2021 15:46	KB
Barium	0.24	J	0.14	4.3	mg/Kg	308941	1	01/21/2021 15:46	KB
Cadmium	BRL		0.043	2.2	mg/Kg	308941	1	01/21/2021 15:46	KB
Chromium	BRL		0.68	2.2	mg/Kg	308941	1	01/21/2021 15:46	KB
Lead	0.66	J	0.16	4.3	mg/Kg	308941	1	01/21/2021 15:46	KB
Silver	BRL		0.011	2.2	mg/Kg	308941	1	01/21/2021 15:46	KB
Sodium	720		5.8	87	mg/Kg	308941	1	01/21/2021 15:46	KB

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - E								
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:15:00 AM								
Lab ID: 2101H98-007	Matrix: Sludge								
Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Mercury - Waste	SW7471B				(SW7471B)				
Mercury	BRL	0.0199	0.0932	mg/Kg	309115	1	01/21/2021 14:36	SK	
TCL VOLATILE ORGANICS	SW8260D				(SW5035)				
1,1,1-Trichloroethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,1,2,2-Tetrachloroethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,1,2-Trichloroethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,1-Dichloroethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,1-Dichloroethene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,2,4-Trichlorobenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,2-Dibromo-3-chloropropane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,2-Dibromoethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,2-Dichlorobenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,2-Dichloroethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,2-Dichloropropane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,3-Dichlorobenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
1,4-Dichlorobenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
2-Butanone	BRL	25000	25000	ug/Kg	309197	50	01/22/2021 13:25	OM	
2-Hexanone	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 13:25	OM	
4-Methyl-2-pentanone	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 13:25	OM	
Acetone	BRL	25000	25000	ug/Kg	309197	50	01/22/2021 13:25	OM	
Benzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Bromodichloromethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Bromoform	BRL	5500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Bromomethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Carbon disulfide	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 13:25	OM	
Carbon tetrachloride	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Chlorobenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Chloroethane	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 13:25	OM	
Chloroform	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Chloromethane	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 13:25	OM	
cis-1,2-Dichloroethene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
cis-1,3-Dichloropropene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Cyclohexane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Dibromochloromethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Dichlorodifluoromethane	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 13:25	OM	
Ethylbenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Freon-113	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 13:25	OM	
Isopropylbenzene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
m,p-Xylene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Methyl acetate	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Methyl tert-butyl ether	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Methylcyclohexane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Methylene chloride	BRL	2500	9800	ug/Kg	309197	50	01/22/2021 13:25	OM	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - E
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:15:00 AM
Lab ID: 2101H98-007	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D (SW5035)									
o-Xylene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Styrene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Tetrachloroethene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Toluene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
trans-1,2-Dichloroethene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
trans-1,3-Dichloropropene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Trichloroethene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Trichlorofluoromethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:25	OM	
Vinyl chloride	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 13:25	OM	
Surr: 4-Bromofluorobenzene	95.4	0	65.1-125	%REC	309197	50	01/22/2021 13:25	OM	
Surr: Dibromofluoromethane	101	0	77.7-123	%REC	309197	50	01/22/2021 13:25	OM	
Surr: Toluene-d8	100	0	83.2-120	%REC	309197	50	01/22/2021 13:25	OM	
METALS, TOTAL SW6010D (SW3050B)									
Arsenic	BRL	0.35	4.3	mg/Kg	308941	1	01/21/2021 15:48	KB	
Barium	BRL	0.14	4.3	mg/Kg	308941	1	01/21/2021 15:48	KB	
Cadmium	BRL	0.043	2.1	mg/Kg	308941	1	01/21/2021 15:48	KB	
Chromium	BRL	0.67	2.1	mg/Kg	308941	1	01/21/2021 15:48	KB	
Lead	BRL	0.16	4.3	mg/Kg	308941	1	01/21/2021 15:48	KB	
Silver	BRL	0.011	2.1	mg/Kg	308941	1	01/21/2021 15:48	KB	
Sodium	56	J	5.8	86	mg/Kg	308941	1	01/21/2021 15:48	KB

Qualifiers:	*	Value exceeds maximum contaminant level	E	Estimated value above quantitation range
	BRL	Not detected at MDL	S	Spike Recovery outside limits due to matrix
	H	Holding times for preparation or analysis exceeded	J	Estimated value detected below Reporting Limit
	N	Analyte not NELAC certified	>	Greater than Result value
	B	Analyte detected in the associated method blank	<	Less than Result value
	F	Analyzed in the lab which is a deviation from the method	Narr	See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - F								
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:17:00 AM								
Lab ID: 2101H98-008	Matrix: Sludge								
Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Mercury - Waste	SW7471B				(SW7471B)				
Mercury	BRL		0.0196	0.0917	mg/Kg	309115	1	01/21/2021 16:13	SK
TCL VOLATILE ORGANICS	SW8260D				(SW5035)				
1,1,1-Trichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,1,2,2-Tetrachloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,1,2-Trichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,1-Dichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,1-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,2,4-Trichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,2-Dibromo-3-chloropropane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,2-Dibromoethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,2-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,2-Dichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,2-Dichloropropane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,3-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
1,4-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
2-Butanone	BRL		25000	25000	ug/Kg	309197	50	01/22/2021 13:49	OM
2-Hexanone	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 13:49	OM
4-Methyl-2-pentanone	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 13:49	OM
Acetone	BRL		25000	25000	ug/Kg	309197	50	01/22/2021 13:49	OM
Benzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Bromodichloromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Bromoform	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Bromomethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Carbon disulfide	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 13:49	OM
Carbon tetrachloride	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Chlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Chloroethane	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 13:49	OM
Chloroform	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Chloromethane	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 13:49	OM
cis-1,2-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
cis-1,3-Dichloropropene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Cyclohexane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Dibromochloromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Dichlorodifluoromethane	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 13:49	OM
Ethylbenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Freon-113	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 13:49	OM
Isopropylbenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
m,p-Xylene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Methyl acetate	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Methyl tert-butyl ether	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Methylcyclohexane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM
Methylene chloride	BRL		2500	9800	ug/Kg	309197	50	01/22/2021 13:49	OM

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - F
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:17:00 AM
Lab ID: 2101H98-008	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D (SW5035)									
o-Xylene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM	
Styrene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM	
Tetrachloroethene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM	
Toluene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM	
trans-1,2-Dichloroethene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM	
trans-1,3-Dichloropropene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM	
Trichloroethene	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM	
Trichlorofluoromethane	BRL	2500	2500	ug/Kg	309197	50	01/22/2021 13:49	OM	
Vinyl chloride	BRL	4900	4900	ug/Kg	309197	50	01/22/2021 13:49	OM	
Surr: 4-Bromofluorobenzene	92.9	0	65.1-125	%REC	309197	50	01/22/2021 13:49	OM	
Surr: Dibromofluoromethane	102	0	77.7-123	%REC	309197	50	01/22/2021 13:49	OM	
Surr: Toluene-d8	97.2	0	83.2-120	%REC	309197	50	01/22/2021 13:49	OM	
METALS, TOTAL SW6010D (SW3050B)									
Arsenic	BRL	0.38	4.6	mg/Kg	308941	1	01/21/2021 15:57	KB	
Barium	BRL	0.15	4.6	mg/Kg	308941	1	01/21/2021 15:57	KB	
Cadmium	BRL	0.046	2.3	mg/Kg	308941	1	01/21/2021 15:57	KB	
Chromium	BRL	0.72	2.3	mg/Kg	308941	1	01/21/2021 15:57	KB	
Lead	BRL	0.17	4.6	mg/Kg	308941	1	01/21/2021 15:57	KB	
Silver	BRL	0.012	2.3	mg/Kg	308941	1	01/21/2021 15:57	KB	
Sodium	99	6.2	92	mg/Kg	308941	1	01/21/2021 15:57	KB	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - G								
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:20:00 AM								
Lab ID: 2101H98-009	Matrix: Sludge								
<hr/>									
Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Mercury - Waste SW7471B		(SW7471B)							
Mercury	BRL		0.0199	0.0928	mg/Kg	309115	1	01/21/2021 16:16	SK
TCL VOLATILE ORGANICS SW8260D		(SW5035)							
1,1,1-Trichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,1,2,2-Tetrachloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,1,2-Trichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,1-Dichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,1-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,2,4-Trichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,2-Dibromo-3-chloropropane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,2-Dibromoethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,2-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,2-Dichloroethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,2-Dichloropropane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,3-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
1,4-Dichlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
2-Butanone	BRL		25000	25000	ug/Kg	309197	50	01/22/2021 14:14	OM
2-Hexanone	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 14:14	OM
4-Methyl-2-pentanone	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 14:14	OM
Acetone	BRL		25000	25000	ug/Kg	309197	50	01/22/2021 14:14	OM
Benzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Bromodichloromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Bromoform	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Bromomethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Carbon disulfide	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 14:14	OM
Carbon tetrachloride	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Chlorobenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Chloroethane	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 14:14	OM
Chloroform	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Chloromethane	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 14:14	OM
cis-1,2-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
cis-1,3-Dichloropropene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Cyclohexane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Dibromochloromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Dichlorodifluoromethane	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 14:14	OM
Ethylbenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Freon-113	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 14:14	OM
Isopropylbenzene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
m,p-Xylene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Methyl acetate	4100		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Methyl tert-butyl ether	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Methylcyclohexane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Methylene chloride	BRL		2500	9800	ug/Kg	309197	50	01/22/2021 14:14	OM

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - G
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:20:00 AM
Lab ID: 2101H98-009	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D (SW5035)									
o-Xylene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Styrene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Tetrachloroethene	23000		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Toluene	7200		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
trans-1,2-Dichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
trans-1,3-Dichloropropene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Trichloroethene	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Trichlorofluoromethane	BRL		2500	2500	ug/Kg	309197	50	01/22/2021 14:14	OM
Vinyl chloride	BRL		4900	4900	ug/Kg	309197	50	01/22/2021 14:14	OM
Surr: 4-Bromofluorobenzene	93.4		0	65.1-125	%REC	309197	50	01/22/2021 14:14	OM
Surr: Dibromofluoromethane	101		0	77.7-123	%REC	309197	50	01/22/2021 14:14	OM
Surr: Toluene-d8	99.5		0	83.2-120	%REC	309197	50	01/22/2021 14:14	OM
METALS, TOTAL SW6010D (SW3050B)									
Arsenic	BRL		0.39	4.7	mg/Kg	308941	1	01/21/2021 16:00	KB
Barium	0.28	J	0.15	4.7	mg/Kg	308941	1	01/21/2021 16:00	KB
Cadmium	BRL		0.047	2.4	mg/Kg	308941	1	01/21/2021 16:00	KB
Chromium	BRL		0.74	2.4	mg/Kg	308941	1	01/21/2021 16:00	KB
Lead	0.87	J	0.18	4.7	mg/Kg	308941	1	01/21/2021 16:00	KB
Silver	BRL		0.012	2.4	mg/Kg	308941	1	01/21/2021 16:00	KB
Sodium	820		6.3	94	mg/Kg	308941	1	01/21/2021 16:00	KB

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - H
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:25:00 AM
Lab ID: 2101H98-010	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Mercury - Waste SW7471B	(SW7471B)								
Mercury	BRL		0.0190	0.0888	mg/Kg	309115	1	01/21/2021 16:20	SK
TCL VOLATILE ORGANICS SW8260D	(SW5035)								
1,1,1-Trichloroethane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,1,2,2-Tetrachloroethane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,1,2-Trichloroethane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,1-Dichloroethane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,1-Dichloroethene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,2,4-Trichlorobenzene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,2-Dibromo-3-chloropropane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,2-Dibromoethane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,2-Dichlorobenzene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,2-Dichloroethane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,2-Dichloropropane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,3-Dichlorobenzene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
1,4-Dichlorobenzene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
2-Butanone	BRL		24000	24000	ug/Kg	309197	50	01/22/2021 14:39	OM
2-Hexanone	BRL		4700	4700	ug/Kg	309197	50	01/22/2021 14:39	OM
4-Methyl-2-pentanone	BRL		4700	4700	ug/Kg	309197	50	01/22/2021 14:39	OM
Acetone	BRL		24000	24000	ug/Kg	309197	50	01/22/2021 14:39	OM
Benzene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Bromodichloromethane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Bromoform	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Bromomethane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Carbon disulfide	BRL		4700	4700	ug/Kg	309197	50	01/22/2021 14:39	OM
Carbon tetrachloride	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Chlorobenzene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Chloroethane	BRL		4700	4700	ug/Kg	309197	50	01/22/2021 14:39	OM
Chloroform	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Chloromethane	BRL		4700	4700	ug/Kg	309197	50	01/22/2021 14:39	OM
cis-1,2-Dichloroethene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
cis-1,3-Dichloropropene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Cyclohexane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Dibromochloromethane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Dichlorodifluoromethane	BRL		4700	4700	ug/Kg	309197	50	01/22/2021 14:39	OM
Ethylbenzene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Freon-113	BRL		4700	4700	ug/Kg	309197	50	01/22/2021 14:39	OM
Isopropylbenzene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
m,p-Xylene	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Methyl acetate	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Methyl tert-butyl ether	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Methylcyclohexane	BRL		2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM
Methylene chloride	BRL		2400	9400	ug/Kg	309197	50	01/22/2021 14:39	OM

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

F Analyzed in the lab which is a deviation from the method

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - H
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:25:00 AM
Lab ID: 2101H98-010	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D (SW5035)									
o-Xylene	BRL	2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM	
Styrene	BRL	2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM	
Tetrachloroethene	BRL	2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM	
Toluene	BRL	2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM	
trans-1,2-Dichloroethene	BRL	2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM	
trans-1,3-Dichloropropene	BRL	2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM	
Trichloroethene	BRL	2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM	
Trichlorofluoromethane	BRL	2400	2400	ug/Kg	309197	50	01/22/2021 14:39	OM	
Vinyl chloride	BRL	4700	4700	ug/Kg	309197	50	01/22/2021 14:39	OM	
Surr: 4-Bromofluorobenzene	94.3	0	65.1-125	%REC	309197	50	01/22/2021 14:39	OM	
Surr: Dibromofluoromethane	103	0	77.7-123	%REC	309197	50	01/22/2021 14:39	OM	
Surr: Toluene-d8	98.9	0	83.2-120	%REC	309197	50	01/22/2021 14:39	OM	
METALS, TOTAL SW6010D (SW3050B)									
Arsenic	BRL	0.32	3.9	mg/Kg	308941	1	01/21/2021 16:02	KB	
Barium	BRL	0.13	3.9	mg/Kg	308941	1	01/21/2021 16:02	KB	
Cadmium	BRL	0.039	2.0	mg/Kg	308941	1	01/21/2021 16:02	KB	
Chromium	BRL	0.62	2.0	mg/Kg	308941	1	01/21/2021 16:02	KB	
Lead	BRL	0.15	3.9	mg/Kg	308941	1	01/21/2021 16:02	KB	
Silver	BRL	0.010	2.0	mg/Kg	308941	1	01/21/2021 16:02	KB	
Sodium	1200	5.3	78	mg/Kg	308941	1	01/21/2021 16:02	KB	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - I								
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:30:00 AM								
Lab ID: 2101H98-011	Matrix: Sludge								
<hr/>									
Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Mercury - Waste SW7471B		(SW7471B)							
Mercury	BRL	0.0201	0.0940	mg/Kg	309115	1	01/21/2021 16:23	SK	
TCL VOLATILE ORGANICS SW8260D		(SW5035)							
1,1,1-Trichloroethane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,1,2,2-Tetrachloroethane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,1,2-Trichloroethane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,1-Dichloroethane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,1-Dichloroethene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,2,4-Trichlorobenzene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,2-Dibromo-3-chloropropane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,2-Dibromoethane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,2-Dichlorobenzene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,2-Dichloroethane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,2-Dichloropropane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,3-Dichlorobenzene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
1,4-Dichlorobenzene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
2-Butanone	35000	23000	23000	ug/Kg	309197	50	01/22/2021 15:04	OM	
2-Hexanone	BRL	4700	4700	ug/Kg	309197	50	01/22/2021 15:04	OM	
4-Methyl-2-pentanone	BRL	4700	4700	ug/Kg	309197	50	01/22/2021 15:04	OM	
Acetone	73000	23000	23000	ug/Kg	309197	50	01/22/2021 15:04	OM	
Benzene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Bromodichloromethane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Bromoform	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Bromomethane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Carbon disulfide	BRL	4700	4700	ug/Kg	309197	50	01/22/2021 15:04	OM	
Carbon tetrachloride	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Chlorobenzene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Chloroethane	BRL	4700	4700	ug/Kg	309197	50	01/22/2021 15:04	OM	
Chloroform	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Chloromethane	BRL	4700	4700	ug/Kg	309197	50	01/22/2021 15:04	OM	
cis-1,2-Dichloroethene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
cis-1,3-Dichloropropene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Cyclohexane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Dibromochloromethane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Dichlorodifluoromethane	BRL	4700	4700	ug/Kg	309197	50	01/22/2021 15:04	OM	
Ethylbenzene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Freon-113	BRL	4700	4700	ug/Kg	309197	50	01/22/2021 15:04	OM	
Isopropylbenzene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
m,p-Xylene	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Methyl acetate	3100	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Methyl tert-butyl ether	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Methylcyclohexane	BRL	2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM	
Methylene chloride	BRL	2300	9300	ug/Kg	309197	50	01/22/2021 15:04	OM	

Qualifiers: * Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

F Analyzed in the lab which is a deviation from the method

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - I
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:30:00 AM
Lab ID: 2101H98-011	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D (SW5035)									
o-Xylene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM
Styrene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM
Tetrachloroethene	10000		2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM
Toluene	3500		2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM
trans-1,2-Dichloroethene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM
trans-1,3-Dichloropropene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM
Trichloroethene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM
Trichlorofluoromethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 15:04	OM
Vinyl chloride	BRL		4700	4700	ug/Kg	309197	50	01/22/2021 15:04	OM
Surr: 4-Bromofluorobenzene	94.5		0	65.1-125	%REC	309197	50	01/22/2021 15:04	OM
Surr: Dibromofluoromethane	102		0	77.7-123	%REC	309197	50	01/22/2021 15:04	OM
Surr: Toluene-d8	101		0	83.2-120	%REC	309197	50	01/22/2021 15:04	OM
METALS, TOTAL SW6010D (SW3050B)									
Arsenic	BRL		0.37	4.5	mg/Kg	308941	1	01/21/2021 16:05	KB
Barium	0.20	J	0.14	4.5	mg/Kg	308941	1	01/21/2021 16:05	KB
Cadmium	BRL		0.045	2.2	mg/Kg	308941	1	01/21/2021 16:05	KB
Chromium	BRL		0.71	2.2	mg/Kg	308941	1	01/21/2021 16:05	KB
Lead	0.37	J	0.17	4.5	mg/Kg	308941	1	01/21/2021 16:05	KB
Silver	BRL		0.012	2.2	mg/Kg	308941	1	01/21/2021 16:05	KB
Sodium	830		6.0	90	mg/Kg	308941	1	01/21/2021 16:05	KB

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - J
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:35:00 AM
Lab ID: 2101H98-012	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Mercury - Waste SW7471B	(SW7471B)								
Mercury	BRL		0.0198	0.0927	mg/Kg	309115	1	01/21/2021 16:26	SK
TCL VOLATILE ORGANICS SW8260D	(SW5035)								
1,1,1-Trichloroethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,1,2,2-Tetrachloroethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,1,2-Trichloroethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,1-Dichloroethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,1-Dichloroethene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,2,4-Trichlorobenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,2-Dibromo-3-chloropropane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,2-Dibromoethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,2-Dichlorobenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,2-Dichloroethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,2-Dichloropropane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,3-Dichlorobenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
1,4-Dichlorobenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
2-Butanone	BRL		23000	23000	ug/Kg	309197	50	01/22/2021 11:22	OM
2-Hexanone	BRL		4500	4500	ug/Kg	309197	50	01/22/2021 11:22	OM
4-Methyl-2-pentanone	BRL		4500	4500	ug/Kg	309197	50	01/22/2021 11:22	OM
Acetone	BRL		23000	23000	ug/Kg	309197	50	01/22/2021 11:22	OM
Benzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Bromodichloromethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Bromoform	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Bromomethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Carbon disulfide	BRL		4500	4500	ug/Kg	309197	50	01/22/2021 11:22	OM
Carbon tetrachloride	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Chlorobenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Chloroethane	BRL		4500	4500	ug/Kg	309197	50	01/22/2021 11:22	OM
Chloroform	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Chloromethane	BRL		4500	4500	ug/Kg	309197	50	01/22/2021 11:22	OM
cis-1,2-Dichloroethene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
cis-1,3-Dichloropropene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Cyclohexane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Dibromochloromethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Dichlorodifluoromethane	BRL		4500	4500	ug/Kg	309197	50	01/22/2021 11:22	OM
Ethylbenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Freon-113	BRL		4500	4500	ug/Kg	309197	50	01/22/2021 11:22	OM
Isopropylbenzene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
m,p-Xylene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Methyl acetate	3100		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Methyl tert-butyl ether	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Methylcyclohexane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Methylene chloride	BRL		2300	9000	ug/Kg	309197	50	01/22/2021 11:22	OM

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - J
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:35:00 AM
Lab ID: 2101H98-012	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260D (SW5035)									
o-Xylene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Styrene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Tetrachloroethene	9300		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Toluene	2900		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
trans-1,2-Dichloroethene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
trans-1,3-Dichloropropene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Trichloroethene	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Trichlorofluoromethane	BRL		2300	2300	ug/Kg	309197	50	01/22/2021 11:22	OM
Vinyl chloride	BRL		4500	4500	ug/Kg	309197	50	01/22/2021 11:22	OM
Surr: 4-Bromofluorobenzene	96		0	65.1-125	%REC	309197	50	01/22/2021 11:22	OM
Surr: Dibromofluoromethane	98.9		0	77.7-123	%REC	309197	50	01/22/2021 11:22	OM
Surr: Toluene-d8	98.5		0	83.2-120	%REC	309197	50	01/22/2021 11:22	OM
METALS, TOTAL SW6010D (SW3050B)									
Arsenic	BRL		0.38	4.6	mg/Kg	308941	1	01/21/2021 16:08	KB
Barium	0.26	J	0.15	4.6	mg/Kg	308941	1	01/21/2021 16:08	KB
Cadmium	BRL		0.046	2.3	mg/Kg	308941	1	01/21/2021 16:08	KB
Chromium	BRL		0.72	2.3	mg/Kg	308941	1	01/21/2021 16:08	KB
Lead	0.95	J	0.17	4.6	mg/Kg	308941	1	01/21/2021 16:08	KB
Silver	BRL		0.012	2.3	mg/Kg	308941	1	01/21/2021 16:08	KB
Sodium	700		6.2	92	mg/Kg	308941	1	01/21/2021 16:08	KB

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: _____ AES Work Order Number: _____

2. Carrier: FedEx UPS USPS Client Courier Other _____

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?				damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?					
5. Custody seals intact on shipping container?					
6. Temperature blanks present?					
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]				Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?					
9. Chain of Custody signed, dated, and timed when relinquished and received?					
10. Sampler name and/or signature on COC?					
11. Were all samples received within holding time?					
12. TAT marked on the COC?				If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature _____ °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). _____

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?					
17. Custody seals present on sample containers?					
18. Custody seals intact on sample containers?					
19. Do sample container labels match the COC?				incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?					
21. Were all of the samples listed on the COC received?				samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?					
23. Did we receive sufficient sample volume for indicated analyses?					
24. Were samples received in appropriate containers?					
25. Were VOA samples received without headspace (< 1/4" bubble)?					
26. Were trip blanks submitted?				listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). _____

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *					
29. Containers meet preservation guidelines?					
30. Was pH adjusted at Sample Receipt?					

I certify that I have completed sections 28-30 (dated initials). _____

Sample pH Adjustment Sheet

AES Sample ID	Sample Volume (mL)	Test(s) Requested	Department	pH Required	pH as Rec.	Preservative Required	Preservative Lot#	Amount Added		pH after Add.	Initials	Date	Time (Military)
								mL of Acid	NaOH Pellets				
2101H98-	160	6010-B WT	metals	<2	7	HNO ₃	29271	1.	-	1	BR	1/21/2021	6:15
Notes:													
2101H98	150	6010-B WT	metals	<2	6	HNO ₃	29271	1.	-	1	BR	1/21/2021	6:15
Notes:													
2101H98	160	6010B-W-T 7470A-W-T	Metals	<2	7	HNO ₃	29271	1.0	-	1	EF	1.21.21	8:55
-001B													
Notes:													
2101H98	160	6010B-W-T 7470A-W-T	Metals	<2	6	HNO ₃	29271	1.0	-	1	EF	1.21.21	8:55
-002B													
Notes:													
Notes:													
Notes:													

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 308941**

Sample ID: MB-308941	Client ID:				Units: mg/Kg	Prep Date: 01/20/2021	Run No: 444879				
SampleType: MBLK	TestCode: METALS, TOTAL	SW6010D			BatchID: 308941	Analysis Date: 01/21/2021	Seq No: 10145547				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.0									
Barium	BRL	5.0									
Cadmium	BRL	2.5									
Chromium	BRL	2.5									
Lead	BRL	5.0									
Silver	BRL	2.5									
Sodium	6.830	100									J

Sample ID: LCS-308941	Client ID:				Units: mg/Kg	Prep Date: 01/20/2021	Run No: 444879				
SampleType: LCS	TestCode: METALS, TOTAL	SW6010D			BatchID: 308941	Analysis Date: 01/21/2021	Seq No: 10145548				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	47.84	5.0	50.00		95.7	80	120				
Barium	50.95	5.0	50.00		102	80	120				
Cadmium	49.15	2.5	50.00		98.3	80	120				
Chromium	50.91	2.5	50.00		102	80	120				
Lead	49.34	5.0	50.00		98.7	80	120				
Silver	5.323	2.5	5.000		106	80	120				
Sodium	526.7	100	500.0	6.830	104	80	120				

Sample ID: 2101E21-001BMS	Client ID:				Units: mg/Kg	Prep Date: 01/20/2021	Run No: 444879				
SampleType: MS	TestCode: METALS, TOTAL	SW6010D			BatchID: 308941	Analysis Date: 01/21/2021	Seq No: 10145553				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	37.99	4.9	48.59		78.2	75	125				
Barium	44.16	4.9	48.59	3.271	84.2	75	125				
Cadmium	39.56	2.4	48.59	0.08072	81.2	75	125				
Chromium	40.38	2.4	48.59		83.1	75	125				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 308941**

Sample ID: 2101E21-001BMS	Client ID:				Units: mg/Kg	Prep Date: 01/20/2021	Run No: 444879				
SampleType: MS	TestCode: METALS, TOTAL	SW6010D			BatchID: 308941	Analysis Date: 01/21/2021	Seq No: 10145553				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	39.73	4.9	48.59	0.6525	80.4	75	125				
Silver	4.253	2.4	4.859	0.01945	87.1	75	125				
Sodium	2173	97	485.9	1751	86.9	75	125				
Sample ID: 2101E21-001BMSD	Client ID:				Units: mg/Kg	Prep Date: 01/20/2021	Run No: 444879				
SampleType: MSD	TestCode: METALS, TOTAL	SW6010D			BatchID: 308941	Analysis Date: 01/21/2021	Seq No: 10145554				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	41.79	4.9	48.56		86.1	75	125	37.99	9.54	20	
Barium	45.93	4.9	48.56	3.271	87.8	75	125	44.16	3.93	20	
Cadmium	43.21	2.4	48.56	0.08072	88.8	75	125	39.56	8.83	20	
Chromium	44.26	2.4	48.56		91.1	75	125	40.38	9.17	20	
Lead	43.47	4.9	48.56	0.6525	88.2	75	125	39.73	8.98	20	
Silver	4.666	2.4	4.856	0.01945	95.7	75	125	4.253	9.26	20	
Sodium	2375	97	485.6	1751	129	75	125	2173	8.88	20	S

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309099**

Sample ID: MB-309099	Client ID:				Units: mg/L	Prep Date: 01/21/2021	Run No: 444959				
SampleType: MBLK	TestCode: METALS, TOTAL	SW6010D			BatchID: 309099	Analysis Date: 01/22/2021	Seq No: 10147494				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	BRL	0.0500
Barium	BRL	0.0200
Cadmium	BRL	0.0050
Chromium	BRL	0.0100
Lead	BRL	0.0100
Selenium	BRL	0.0200
Silver	BRL	0.0100

Sample ID: LCS-309099	Client ID:				Units: mg/L	Prep Date: 01/21/2021	Run No: 444959				
SampleType: LCS	TestCode: METALS, TOTAL	SW6010D			BatchID: 309099	Analysis Date: 01/22/2021	Seq No: 10147495				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.047	0.0500	1.000		105	80	120
Barium	1.028	0.0200	1.000		103	80	120
Cadmium	1.031	0.0050	1.000		103	80	120
Chromium	1.021	0.0100	1.000		102	80	120
Lead	1.030	0.0100	1.000		103	80	120
Selenium	1.034	0.0200	1.000		103	80	120
Silver	0.1093	0.0100	0.1000		109	80	120

Sample ID: 2101G53-003CMS	Client ID:				Units: mg/L	Prep Date: 01/21/2021	Run No: 444959				
SampleType: MS	TestCode: METALS, TOTAL	SW6010D			BatchID: 309099	Analysis Date: 01/22/2021	Seq No: 10147499				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.040	0.0500	1.000		104	75	125
Barium	1.035	0.0200	1.000	0.02749	101	75	125
Cadmium	1.020	0.0050	1.000		102	75	125
Chromium	1.009	0.0100	1.000		101	75	125

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309099**

Sample ID: 2101G53-003CMS	Client ID:				Units: mg/L	Prep Date:	01/21/2021	Run No: 444959
SampleType: MS	TestCode:	METALS, TOTAL	SW6010D				Analysis Date: 01/22/2021	Seq No: 10147499
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Lead	1.011	0.0100	1.000		101	75	125	
Selenium	1.012	0.0200	1.000		101	75	125	
Silver	0.1076	0.0100	0.1000		108	75	125	
Sample ID: 2101G53-003CMSD	Client ID:				Units: mg/L	Prep Date:	01/21/2021	Run No: 444959
SampleType: MSD	TestCode:	METALS, TOTAL	SW6010D				Analysis Date: 01/22/2021	Seq No: 10147500
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
Arsenic	1.045	0.0500	1.000		104	75	125	1.040
Barium	1.034	0.0200	1.000	0.02749	101	75	125	1.035
Cadmium	1.019	0.0050	1.000		102	75	125	1.020
Chromium	1.010	0.0100	1.000		101	75	125	1.009
Lead	1.010	0.0100	1.000		101	75	125	1.011
Selenium	1.016	0.0200	1.000		102	75	125	1.012
Silver	0.1080	0.0100	0.1000		108	75	125	0.1076

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309115**

Sample ID: MB-309115	Client ID: TestCode: Total Mercury - Waste SW7471B	Units: mg/Kg	Prep Date: 01/21/2021	Run No: 444878							
SampleType: MBLK		BatchID: 309115	Analysis Date: 01/21/2021	Seq No: 10145489							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.100									
Sample ID: LCS-309115 Client ID: TestCode: Total Mercury - Waste SW7471B					Units: mg/Kg	Prep Date: 01/21/2021	Run No: 444878				
SampleType: LCS					BatchID: 309115	Analysis Date: 01/21/2021	Seq No: 10145504				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.3516	0.100	0.4000		87.9	80	120				
Sample ID: 2101H98-003BMS Client ID: CRS - TT - A1 TestCode: Total Mercury - Waste SW7471B					Units: mg/Kg	Prep Date: 01/21/2021	Run No: 444878				
SampleType: MS					BatchID: 309115	Analysis Date: 01/21/2021	Seq No: 10145505				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.2144	0.0852	0.3407		62.9	80	120				S
Sample ID: 2101H98-003BMSD Client ID: CRS - TT - A1 TestCode: Total Mercury - Waste SW7471B					Units: mg/Kg	Prep Date: 01/21/2021	Run No: 444878				
SampleType: MSD					BatchID: 309115	Analysis Date: 01/21/2021	Seq No: 10145506				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.2135	0.0850	0.3399		62.8	80	120	0.2144	0.420	20	S

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309121**

Sample ID: MB-309121	Client ID:				Units: ug/L	Prep Date: 01/20/2021	Run No: 444784				
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260D				BatchID: 309121	Analysis Date: 01/20/2021	Seq No: 10143098				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309121**

Sample ID: MB-309121	Client ID:				Units: ug/L	Prep Date:	01/20/2021	Run No: 444784
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260D				BatchID: 309121	Analysis Date:	01/20/2021	Seq No: 10143098
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val
cis-1,2-Dichloroethene	BRL	5.0						
cis-1,3-Dichloropropene	BRL	5.0						
Cyclohexane	BRL	5.0						
Dibromochloromethane	BRL	5.0						
Dichlorodifluoromethane	BRL	10						
Ethylbenzene	BRL	5.0						
Freon-113	BRL	10						
Isopropylbenzene	BRL	5.0						
m,p-Xylene	BRL	5.0						
Methyl acetate	BRL	5.0						
Methyl tert-butyl ether	BRL	5.0						
Methylcyclohexane	BRL	5.0						
Methylene chloride	BRL	5.0						
o-Xylene	BRL	5.0						
Styrene	BRL	5.0						
Tetrachloroethene	BRL	5.0						
Toluene	BRL	5.0						
trans-1,2-Dichloroethene	BRL	5.0						
trans-1,3-Dichloropropene	BRL	5.0						
Trichloroethene	BRL	5.0						
Trichlorofluoromethane	BRL	5.0						
Vinyl chloride	BRL	2.0						
Surr: 4-Bromofluorobenzene	48.30	0	50.00		96.6	74.9	127	
Surr: Dibromofluoromethane	50.50	0	50.00		101	78.9	121	
Surr: Toluene-d8	49.35	0	50.00		98.7	81.5	120	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309121**

Sample ID: LCS-309121	Client ID:				Units: ug/L	Prep Date: 01/20/2021	Run No: 444784				
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260D				BatchID: 309121	Analysis Date: 01/20/2021	Seq No: 10143108				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	20.92	5.0	20.00		105	69	136				
Benzene	21.26	5.0	20.00		106	73.7	126				
Chlorobenzene	20.65	5.0	20.00		103	73.5	124				
Toluene	20.62	5.0	20.00		103	76.8	125				
Trichloroethene	22.40	5.0	20.00		112	70.9	124				
Surr: 4-Bromofluorobenzene	50.80	0	50.00		102	74.9	127				
Surr: Dibromofluoromethane	51.34	0	50.00		103	78.9	121				
Surr: Toluene-d8	49.27	0	50.00		98.5	81.5	120				

Sample ID: 2101G60-001AMS	Client ID:				Units: ug/L	Prep Date: 01/20/2021	Run No: 444784				
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260D				BatchID: 309121	Analysis Date: 01/20/2021	Seq No: 10143159				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	20.71	5.0	20.00		104	63.8	146				
Benzene	20.54	5.0	20.00		103	70.2	137				
Chlorobenzene	21.45	5.0	20.00		107	72.7	141				
Toluene	21.09	5.0	20.00		105	67	141				
Trichloroethene	22.89	5.0	20.00		114	69.3	141				
Surr: 4-Bromofluorobenzene	48.98	0	50.00		98.0	74.9	127				
Surr: Dibromofluoromethane	51.07	0	50.00		102	78.9	121				
Surr: Toluene-d8	49.95	0	50.00		99.9	81.5	120				

Sample ID: 2101G60-001AMSD	Client ID:				Units: ug/L	Prep Date: 01/20/2021	Run No: 444784				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260D				BatchID: 309121	Analysis Date: 01/20/2021	Seq No: 10143162				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	20.83	5.0	20.00		104	63.8	146	20.71	0.578	20.8	
Benzene	20.49	5.0	20.00		102	70.2	137	20.54	0.244	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL		Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309121**

Sample ID: 2101G60-001AMSD	Client ID:				Units: ug/L	Prep Date: 01/20/2021	Run No: 444784				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260D				BatchID: 309121	Analysis Date: 01/20/2021	Seq No: 10143162				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	20.83	5.0	20.00		104	72.7	141	21.45	2.93	20	
Toluene	20.33	5.0	20.00		102	67	141	21.09	3.67	20	
Trichloroethene	21.69	5.0	20.00		108	69.3	141	22.89	5.38	17.9	
Surr: 4-Bromofluorobenzene	49.56	0	50.00		99.1	74.9	127	48.98	0	0	
Surr: Dibromofluoromethane	49.83	0	50.00		99.7	78.9	121	51.07	0	0	
Surr: Toluene-d8	49.64	0	50.00		99.3	81.5	120	49.95	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309156**

Sample ID: MB-309156	Client ID:				Units: mg/L	Prep Date: 01/21/2021	Run No: 444905				
SampleType: MBLK	TestCode: Mercury, Total	SW7470A			BatchID: 309156	Analysis Date: 01/21/2021	Seq No: 10146095				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									
Sample ID: LCS-309156	Client ID:				Units: mg/L	Prep Date: 01/21/2021	Run No: 444905				
SampleType: LCS	TestCode: Mercury, Total	SW7470A			BatchID: 309156	Analysis Date: 01/21/2021	Seq No: 10146096				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.003791	0.00020	0.0040		94.8	80	120				
Sample ID: 2101I44-001AMS	Client ID:				Units: mg/L	Prep Date: 01/21/2021	Run No: 444905				
SampleType: MS	TestCode: Mercury, Total	SW7470A			BatchID: 309156	Analysis Date: 01/21/2021	Seq No: 10146098				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.003809	0.00020	0.0040		95.2	75	125				
Sample ID: 2101I44-001AMSD	Client ID:				Units: mg/L	Prep Date: 01/21/2021	Run No: 444905				
SampleType: MSD	TestCode: Mercury, Total	SW7470A			BatchID: 309156	Analysis Date: 01/21/2021	Seq No: 10146099				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.003801	0.00020	0.0040		95.0	75	125	0.003809	0.210	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309197**

Sample ID: MB-309197	Client ID:	Units: ug/Kg			Prep Date:	01/21/2021	Run No: 444911				
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 309197			Analysis Date:	01/22/2021	Seq No: 10147054				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	2500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	2500									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT
BatchID: 309197

Sample ID: MB-309197	Client ID:	Units: ug/Kg			Prep Date:	01/21/2021	Run No: 444911				
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 309197			Analysis Date:	01/22/2021	Seq No: 10147054				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	250									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	1000									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	2375	0	2500		95.0	65.1	125				
Surr: Dibromofluoromethane	2390	0	2500		95.6	77.7	123				
Surr: Toluene-d8	2424	0	2500		97.0	83.2	120				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309197**

Sample ID: LCS-309197	Client ID:	Units: ug/Kg			Prep Date:	01/21/2021	Run No: 444911				
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 309197			Analysis Date:	01/22/2021	Seq No: 10148502				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	2918	250	2500		117	68	140				
1,1,2,2-Tetrachloroethane	1918	250	2500		76.7	69.9	121				
1,1,2-Trichloroethane	2224	250	2500		89.0	71.4	128				
1,1-Dichloroethane	2664	250	2500		107	68.9	132				
1,1-Dichloroethene	2724	250	2500		109	67.6	140				
1,2,4-Trichlorobenzene	1801	250	2500		72.0	68.5	131				
1,2-Dibromo-3-chloropropane	1487	250	2500		59.5	65.8	123				
1,2-Dibromoethane	2218	250	2500		88.7	70.6	127				
1,2-Dichlorobenzene	2335	250	2500		93.4	69.3	127				
1,2-Dichloroethane	2438	250	2500		97.5	70	133				
1,2-Dichloropropane	2502	250	2500		100	74	126				
1,3-Dichlorobenzene	2592	250	2500		104	70.2	129				
1,4-Dichlorobenzene	2440	250	2500		97.6	70.3	126				
2-Butanone	4333	2500	5000		86.7	0	0				
2-Hexanone	3518	500	5000		70.4	0	0				
4-Methyl-2-pentanone	3638	500	5000		72.8	0	0				
Acetone	3878	2500	5000		77.6	0	0				
Benzene	2688	250	2500		108	71.3	130				
Bromodichloromethane	2470	250	2500		98.8	69.2	127				
Bromoform	2248	250	2500		89.9	69.5	132				
Bromomethane	2582	250	2500		103	0	0				
Carbon disulfide	4925	500	5000		98.5	0	0				
Carbon tetrachloride	3060	250	2500		122	70	139				
Chlorobenzene	2614	250	2500		105	70.6	135				
Chloroethane	2690	500	2500		108	0	0				
Chloroform	2744	250	2500		110	70	136				
Chloromethane	2271	500	2500		90.8	0	0				

Qualifiers: > Greater than Result value

< Less than Result value

B Analyte detected in the associated method blank

BRL Below reporting limit

E Estimated (value above quantitation range)

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

R RPD outside limits due to matrix

Rpt Lim Reporting Limit

S Spike Recovery outside limits due to matrix

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309197**

Sample ID: LCS-309197	Client ID:	Units: ug/Kg			Prep Date:	01/21/2021	Run No: 444911				
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 309197			Analysis Date:	01/22/2021	Seq No: 10148502				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	2760	250	2500		110	68.5	140				
cis-1,3-Dichloropropene	2475	250	2500		99.0	69.5	131				
Cyclohexane	2547	250	2500		102	0	0				
Dibromochloromethane	2423	250	2500		96.9	70.6	127				
Dichlorodifluoromethane	2014	500	2500		80.5	0	0				
Ethylbenzene	2662	250	2500		106	74.7	126				
Freon-113	2632	500	2500		105	0	0				
Isopropylbenzene	2864	250	2500		115	67.4	131				
m,p-Xylene	5349	250	5000		107	72.5	127				
Methyl acetate	1730	250	2500		69.2	0	0				
Methyl tert-butyl ether	2377	250	2500		95.1	68.8	123				
Methylcyclohexane	2556	250	2500		102	0	0				
Methylene chloride	2542	1000	2500		102	68.8	132				
o-Xylene	2662	250	2500		106	73.1	127				
Styrene	2580	250	2500		103	70.2	135				
Tetrachloroethene	2624	250	2500		105	70.5	139				
Toluene	2670	250	2500		107	70.4	127				
trans-1,2-Dichloroethene	2844	250	2500		114	69.5	141				
trans-1,3-Dichloropropene	2369	250	2500		94.8	70.6	131				
Trichloroethene	2790	250	2500		112	68.6	138				
Trichlorofluoromethane	2669	250	2500		107	0	0				
Vinyl chloride	2524	500	2500		101	66.3	136				
Surr: 4-Bromofluorobenzene	2414	0	2500		96.5	65.1	125				
Surr: Dibromofluoromethane	2540	0	2500		102	77.7	123				
Surr: Toluene-d8	2534	0	2500		101	83.2	120				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309197**

Sample ID: 2101H98-012AMS	Client ID: CRS - TT - J	Units: ug/Kg			Prep Date: 01/21/2021	Run No: 444911					
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 309197			Analysis Date: 01/22/2021	Seq No: 10148503					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	25740	2300	22520		114	61.1	136				
1,1,2,2-Tetrachloroethane	18680	2300	22520		82.9	70.3	120				
1,1,2-Trichloroethane	19500	2300	22520		86.6	74.4	125				
1,1-Dichloroethane	24140	2300	22520		107	59.1	140				
1,1-Dichloroethene	24540	2300	22520		109	61.8	140				
1,2,4-Trichlorobenzene	19550	2300	22520		86.8	51.5	140				
1,2-Dibromo-3-chloropropane	18230	2300	22520		80.9	56.1	140				
1,2-Dibromoethane	20640	2300	22520		91.6	70.9	130				
1,2-Dichlorobenzene	21100	2300	22520		93.7	70.4	129				
1,2-Dichloroethane	22120	2300	22520		98.2	70.3	131				
1,2-Dichloropropane	22190	2300	22520		98.5	66.2	132				
1,3-Dichlorobenzene	24080	2300	22520		107	65	134				
1,4-Dichlorobenzene	22870	2300	22520		102	67.9	128				
2-Butanone	38840	23000	45050		86.2	0	0				
2-Hexanone	33740	4500	45050		74.9	0	0				
4-Methyl-2-pentanone	33420	4500	45050		74.2	0	0				
Acetone	44060	23000	45050		97.8	0	0				
Benzene	24620	2300	22520		109	69	131				
Bromodichloromethane	22760	2300	22520		101	62.4	128				
Bromoform	20500	2300	22520		91.0	51.6	138				
Bromomethane	29220	2300	22520		130	0	0				
Carbon disulfide	44680	4500	45050		99.2	0	0				
Carbon tetrachloride	28190	2300	22520		125	63	140				
Chlorobenzene	23530	2300	22520		104	69.5	133				
Chloroethane	26080	4500	22520		116	0	0				
Chloroform	24530	2300	22520		109	63.6	135				
Chloromethane	18950	4500	22520		84.1	0	0				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309197**

Sample ID: 2101H98-012AMS	Client ID: CRS - TT - J	Units: ug/Kg			Prep Date: 01/21/2021	Run No: 444911					
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 309197			Analysis Date: 01/22/2021	Seq No: 10148503					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	24610	2300	22520		109	65.7	140				
cis-1,3-Dichloropropene	21530	2300	22520		95.6	63.7	134				
Cyclohexane	22250	2300	22520		98.8	0	0				
Dibromochloromethane	22680	2300	22520		101	59.6	132				
Dichlorodifluoromethane	17270	4500	22520		76.7	0	0				
Ethylbenzene	24590	2300	22520		109	71.1	126				
Freon-113	23540	4500	22520		105	0	0				
Isopropylbenzene	27010	2300	22520		120	60.4	140				
m,p-Xylene	48590	2300	45050		108	66.9	129				
Methyl acetate	20820	2300	22520	3072	78.8	0	0				
Methyl tert-butyl ether	21310	2300	22520		94.6	63.7	122				
Methylcyclohexane	23540	2300	22520		105	0	0				
Methylene chloride	22640	9000	22520		101	61.7	136				
o-Xylene	24320	2300	22520		108	69.3	127				
Styrene	23390	2300	22520		104	69	135				
Tetrachloroethene	34380	2300	22520	9320	111	61.3	140				
Toluene	27630	2300	22520	2905	110	65.9	133				
trans-1,2-Dichloroethene	25610	2300	22520		114	60.9	140				
trans-1,3-Dichloropropene	21330	2300	22520		94.7	56.5	137				
Trichloroethene	25670	2300	22520		114	65.9	135				
Trichlorofluoromethane	24690	2300	22520		110	0	0				
Vinyl chloride	22080	4500	22520		98.0	60.2	140				
Surr: 4-Bromofluorobenzene	21830	0	22520		96.9	65.1	125				
Surr: Dibromofluoromethane	22970	0	22520		102	77.7	123				
Surr: Toluene-d8	22200	0	22520		98.6	83.2	120				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309197**

Sample ID: 2101H98-012AMSD	Client ID: CRS - TT - J				Units: ug/Kg	Prep Date: 01/21/2021	Run No: 444911				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260D				BatchID: 309197	Analysis Date: 01/22/2021	Seq No: 10148504				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	25550	2300	22520		113	61.1	136	25740	0.738	20	
1,1,2,2-Tetrachloroethane	19430	2300	22520		86.3	70.3	120	18680	3.95	20	
1,1,2-Trichloroethane	20130	2300	22520		89.4	74.4	125	19500	3.16	20	
1,1-Dichloroethane	24380	2300	22520		108	59.1	140	24140	0.984	20	
1,1-Dichloroethene	24670	2300	22520		110	61.8	140	24540	0.531	18.5	
1,2,4-Trichlorobenzene	20410	2300	22520		90.6	51.5	140	19550	4.33	24.4	
1,2-Dibromo-3-chloropropane	21240	2300	22520		94.3	56.1	140	18230	15.2	20	
1,2-Dibromoethane	21280	2300	22520		94.5	70.9	130	20640	3.07	20	
1,2-Dichlorobenzene	22070	2300	22520		98.0	70.4	129	21100	4.49	20	
1,2-Dichloroethane	22590	2300	22520		100	70.3	131	22120	2.12	20	
1,2-Dichloropropane	22390	2300	22520		99.4	66.2	132	22190	0.869	20	
1,3-Dichlorobenzene	24040	2300	22520		107	65	134	24080	0.168	20	
1,4-Dichlorobenzene	23480	2300	22520		104	67.9	128	22870	2.64	20	
2-Butanone	42300	23000	45050		93.9	0	0	38840	8.54	0	
2-Hexanone	35320	4500	45050		78.4	0	0	33740	4.57	0	
4-Methyl-2-pentanone	34770	4500	45050		77.2	0	0	33420	3.94	0	
Acetone	44690	23000	45050		99.2	0	0	44060	1.43	0	
Benzene	24090	2300	22520		107	69	131	24620	2.16	20	
Bromodichloromethane	22150	2300	22520		98.4	62.4	128	22760	2.71	20	
Bromoform	21490	2300	22520		95.4	51.6	138	20500	4.70	20	
Bromomethane	26610	2300	22520		118	0	0	29220	9.34	0	
Carbon disulfide	43840	4500	45050		97.3	0	0	44680	1.90	0	
Carbon tetrachloride	27730	2300	22520		123	63	140	28190	1.68	20	
Chlorobenzene	23810	2300	22520		106	69.5	133	23530	1.20	20	
Chloroethane	28140	4500	22520		125	0	0	26080	7.58	0	
Chloroform	25090	2300	22520		111	63.6	135	24530	2.29	20	
Chloromethane	18510	4500	22520		82.2	0	0	18950	2.31	0	

Qualifiers: > Greater than Result value

< Less than Result value

B Analyte detected in the associated method blank

BRL Below reporting limit

E Estimated (value above quantitation range)

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

R RPD outside limits due to matrix

Rpt Lim Reporting Limit

S Spike Recovery outside limits due to matrix

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101H98

ANALYTICAL QC SUMMARY REPORT**BatchID: 309197**

Sample ID: 2101H98-012AMSD	Client ID: CRS - TT - J	Units: ug/Kg			Prep Date: 01/21/2021	Run No: 444911					
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260D	BatchID: 309197			Analysis Date: 01/22/2021	Seq No: 10148504					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	25980	2300	22520		115	65.7	140	24610	5.41	17.8	
cis-1,3-Dichloropropene	21810	2300	22520		96.8	63.7	134	21530	1.31	20	
Cyclohexane	22340	2300	22520		99.2	0	0	22250	0.424	0	
Dibromochloromethane	22770	2300	22520		101	59.6	132	22680	0.397	20	
Dichlorodifluoromethane	16270	4500	22520		72.2	0	0	17270	5.96	0	
Ethylbenzene	24380	2300	22520		108	71.1	126	24590	0.846	20	
Freon-113	23220	4500	22520		103	0	0	23540	1.39	0	
Isopropylbenzene	27150	2300	22520		121	60.4	140	27010	0.516	19	
m,p-Xylene	48830	2300	45050		108	66.9	129	48590	0.490	20	
Methyl acetate	20480	2300	22520	3072	77.3	0	0	20820	1.64	0	
Methyl tert-butyl ether	22490	2300	22520		99.9	63.7	122	21310	5.41	18	
Methylcyclohexane	22260	2300	22520		98.8	0	0	23540	5.61	0	
Methylene chloride	23310	9000	22520		103	61.7	136	22640	2.90	20	
o-Xylene	24530	2300	22520		109	69.3	127	24320	0.848	20	
Styrene	23670	2300	22520		105	69	135	23390	1.21	20	
Tetrachloroethene	33640	2300	22520	9320	108	61.3	140	34380	2.17	20	
Toluene	27000	2300	22520	2905	107	65.9	133	27630	2.29	20	
trans-1,2-Dichloroethene	25280	2300	22520		112	60.9	140	25610	1.29	17.7	
trans-1,3-Dichloropropene	21440	2300	22520		95.2	56.5	137	21330	0.506	20	
Trichloroethene	25210	2300	22520		112	65.9	135	25670	1.81	20	
Trichlorofluoromethane	24600	2300	22520		109	0	0	24690	0.366	0	
Vinyl chloride	21640	4500	22520		96.1	60.2	140	22080	1.98	27.5	
Surr: 4-Bromofluorobenzene	21450	0	22520		95.2	65.1	125	21830	0	0	
Surr: Dibromofluoromethane	22910	0	22520		102	77.7	123	22970	0	0	
Surr: Toluene-d8	22390	0	22520		99.4	83.2	120	22200	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

January 27, 2021

Jessica Vickers
Tetra Tech EM Inc.

1955 Evergreen Blvd
Duluth GA 30096

RE: Celadon Recycling Solutions

Dear Jessica Vickers:

Order No: 2101N01

Analytical Environmental Services, Inc. received 5 samples on 1/25/2021 3:00:00 PM for the analyses presented in following report.

"No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

AES' certifications are as follows:

-NELAP/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for Organics, and Drinking Water Microbiology & Metals, effective 07/01/20-06/30/21.

-North Carolina Certification number 562 for analysis of Surface Water, Groundwater, Effluent, effective until 12/31/20.

-South Carolina Environmental Laboratory Certification number 98016003 effective until 6/30/21.

These results relate only to the items tested as received. This report may only be reproduced in full and with written permission from the laboratory.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Paris Masoudi

Paris Masoudi
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

AES

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

2101 NO1

Work Order: 21011198

Date: 1/15/21 Page 1 of 1127

COMPANY: TetraTech EMJ		ADDRESS: 1955 Evergreen Blvd Duluth GA 30096		ANALYSIS REQUESTED								Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.							
				VOC	Trace	SE	SO	SW	W	DW	Other		WW	NA					
PHONE:	770-402-9013	FAX:	SAMPLED BY: John Snyder	PRESERVATION (See codes)												REMARKS			
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)													
1	CRS - Secondary	1/15	1005	/	WW	/									2				
2	CRS - Primary		1015	/	WW	/									1				
3	CRS - TT-A		1100		Sludge	/													
4	CRS - TT-B		1103			/													
5	CRS - TT-C		1106			/													
6	CRS - TT-D		1110			/													
7	CRS - TT-E		1115			/													
8	CRS - TT-F		1117			/													
9	CRS - TT-G		1120			/													
10	CRS - TT-H		1125			/													
11	CRS - TT-I		1130			/													
12	CRS - TT-J		1135	↓		↓	↓	↓	↓						↓				
13																			
14																			
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION								RECEIPT			
1:		1:	1/15/21 9:21	PROJECT NAME: Celadon Recycling Solutions								Total # of Containers		24					
2:		2:		PROJECT #: _____								Turnaround Time Request							
3:		3:		SITE ADDRESS: Lincolnton, NC								Standard 5 Business Days							
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SEND REPORT TO: Jessica Vickers								2 Business Day Rush			
				OUT	/	VIA:	INVOICE TO: (IF DIFFERENT FROM ABOVE)								Next Business Day Rush				
				IN	/	VIA:	Vickers								Same Day Rush (auth req.)				
				CLIENT	FedEx	UPS	MAIL	COURIER	QUOTE #: _____ PO#: _____								Other _____		
				GREYHOUND	OTHER												STATE PROGRAM (if any): _____		
																	E-mail? Y/N; Fax? Y/N		
																	DATA PACKAGE: I II III IV		

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY, IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
 SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: Tetra Tech EM Inc.
Project: Celadon Recycling Solutions
Lab ID: 2101N01

Case Narrative

Additional Analysis:

At the request of John Snyder via email on 1/25/21, samples positive for PCE hits from AES ID 2101H98 were additionally analyzed for TCLP Volatiles on a new work order at a 1-day rush TAT.

Volatile Organic Compounds Analysis by Method 8260D/1311:

LCS-309362 recovery for Carbon Tetrachloride was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - B
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:03:00 AM
Lab ID: 2101N01-001	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260D (SW5030B)									
1,1-Dichloroethene	BRL	0.0079	0.10	mg/L	309362	20	01/26/2021 14:04	KW	
1,2-Dichloroethane	BRL	0.0075	0.10	mg/L	309362	20	01/26/2021 14:04	KW	
2-Butanone	BRL	0.050	0.20	mg/L	309362	20	01/26/2021 14:04	KW	
Benzene	BRL	0.0075	0.10	mg/L	309362	20	01/26/2021 14:04	KW	
Carbon tetrachloride	BRL	0.0059	0.10	mg/L	309362	20	01/26/2021 14:04	KW	
Chlorobenzene	BRL	0.0084	0.10	mg/L	309362	20	01/26/2021 14:04	KW	
Chloroform	BRL	0.0040	0.10	mg/L	309362	20	01/26/2021 14:04	KW	
Tetrachloroethene	0.17	0.0091	0.10	mg/L	309362	20	01/26/2021 14:04	KW	
Trichloroethene	BRL	0.0061	0.10	mg/L	309362	20	01/26/2021 14:04	KW	
Vinyl chloride	BRL	0.0061	0.040	mg/L	309362	20	01/26/2021 14:04	KW	
Surr: 4-Bromofluorobenzene	96.9	0	74.6-120	%REC	309362	20	01/26/2021 14:04	KW	
Surr: Dibromofluoromethane	93.9	0	78.2-120	%REC	309362	20	01/26/2021 14:04	KW	
Surr: Toluene-d8	99.1	0	83.1-120	%REC	309362	20	01/26/2021 14:04	KW	

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - D
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:10:00 AM
Lab ID: 2101N01-002	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260D (SW5030B)									
1,1-Dichloroethene	BRL		0.0079	0.10	mg/L	309362	20	01/26/2021 14:26	KW
1,2-Dichloroethane	BRL		0.0075	0.10	mg/L	309362	20	01/26/2021 14:26	KW
2-Butanone	0.61		0.050	0.20	mg/L	309362	20	01/26/2021 14:26	KW
Benzene	BRL		0.0075	0.10	mg/L	309362	20	01/26/2021 14:26	KW
Carbon tetrachloride	BRL		0.0059	0.10	mg/L	309362	20	01/26/2021 14:26	KW
Chlorobenzene	BRL		0.0084	0.10	mg/L	309362	20	01/26/2021 14:26	KW
Chloroform	BRL		0.0040	0.10	mg/L	309362	20	01/26/2021 14:26	KW
Tetrachloroethene	0.032	J	0.0091	0.10	mg/L	309362	20	01/26/2021 14:26	KW
Trichloroethene	BRL		0.0061	0.10	mg/L	309362	20	01/26/2021 14:26	KW
Vinyl chloride	BRL		0.0061	0.040	mg/L	309362	20	01/26/2021 14:26	KW
Surr: 4-Bromofluorobenzene	100		0	74.6-120	%REC	309362	20	01/26/2021 14:26	KW
Surr: Dibromofluoromethane	93.4		0	78.2-120	%REC	309362	20	01/26/2021 14:26	KW
Surr: Toluene-d8	96.5		0	83.1-120	%REC	309362	20	01/26/2021 14:26	KW

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - G
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:20:00 AM
Lab ID: 2101N01-003	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260D (SW5030B)									
1,1-Dichloroethene	BRL		0.0079	0.10	mg/L	309362	20	01/26/2021 14:49	KW
1,2-Dichloroethane	BRL		0.0075	0.10	mg/L	309362	20	01/26/2021 14:49	KW
2-Butanone	BRL		0.050	0.20	mg/L	309362	20	01/26/2021 14:49	KW
Benzene	BRL		0.0075	0.10	mg/L	309362	20	01/26/2021 14:49	KW
Carbon tetrachloride	BRL		0.0059	0.10	mg/L	309362	20	01/26/2021 14:49	KW
Chlorobenzene	BRL		0.0084	0.10	mg/L	309362	20	01/26/2021 14:49	KW
Chloroform	BRL		0.0040	0.10	mg/L	309362	20	01/26/2021 14:49	KW
Tetrachloroethene	0.038	J	0.0091	0.10	mg/L	309362	20	01/26/2021 14:49	KW
Trichloroethene	BRL		0.0061	0.10	mg/L	309362	20	01/26/2021 14:49	KW
Vinyl chloride	BRL		0.0061	0.040	mg/L	309362	20	01/26/2021 14:49	KW
Surr: 4-Bromofluorobenzene	98.4		0	74.6-120	%REC	309362	20	01/26/2021 14:49	KW
Surr: Dibromofluoromethane	96.3		0	78.2-120	%REC	309362	20	01/26/2021 14:49	KW
Surr: Toluene-d8	97.9		0	83.1-120	%REC	309362	20	01/26/2021 14:49	KW

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - I
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:30:00 AM
Lab ID: 2101N01-004	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260D (SW5030B)									
1,1-Dichloroethene	BRL		0.0079	0.10	mg/L	309362	20	01/26/2021 15:11	KW
1,2-Dichloroethane	BRL		0.0075	0.10	mg/L	309362	20	01/26/2021 15:11	KW
2-Butanone	4.2		0.050	0.20	mg/L	309362	20	01/26/2021 15:11	KW
Benzene	BRL		0.0075	0.10	mg/L	309362	20	01/26/2021 15:11	KW
Carbon tetrachloride	BRL		0.0059	0.10	mg/L	309362	20	01/26/2021 15:11	KW
Chlorobenzene	BRL		0.0084	0.10	mg/L	309362	20	01/26/2021 15:11	KW
Chloroform	BRL		0.0040	0.10	mg/L	309362	20	01/26/2021 15:11	KW
Tetrachloroethene	0.056	J	0.0091	0.10	mg/L	309362	20	01/26/2021 15:11	KW
Trichloroethene	BRL		0.0061	0.10	mg/L	309362	20	01/26/2021 15:11	KW
Vinyl chloride	BRL		0.0061	0.040	mg/L	309362	20	01/26/2021 15:11	KW
Surr: 4-Bromofluorobenzene	99.6		0	74.6-120	%REC	309362	20	01/26/2021 15:11	KW
Surr: Dibromofluoromethane	100		0	78.2-120	%REC	309362	20	01/26/2021 15:11	KW
Surr: Toluene-d8	100		0	83.1-120	%REC	309362	20	01/26/2021 15:11	KW

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative

Client: Tetra Tech EM Inc.	Client Sample ID: CRS - TT - J
Project Name: Celadon Recycling Solutions	Collection Date: 1/15/2021 11:35:00 AM
Lab ID: 2101N01-005	Matrix: Sludge

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260D (SW5030B)									
1,1-Dichloroethene	BRL		0.0079	0.10	mg/L	309362	20	01/26/2021 15:34	KW
1,2-Dichloroethane	BRL		0.0075	0.10	mg/L	309362	20	01/26/2021 15:34	KW
2-Butanone	BRL		0.050	0.20	mg/L	309362	20	01/26/2021 15:34	KW
Benzene	BRL		0.0075	0.10	mg/L	309362	20	01/26/2021 15:34	KW
Carbon tetrachloride	BRL		0.0059	0.10	mg/L	309362	20	01/26/2021 15:34	KW
Chlorobenzene	BRL		0.0084	0.10	mg/L	309362	20	01/26/2021 15:34	KW
Chloroform	BRL		0.0040	0.10	mg/L	309362	20	01/26/2021 15:34	KW
Tetrachloroethene	0.032	J	0.0091	0.10	mg/L	309362	20	01/26/2021 15:34	KW
Trichloroethene	BRL		0.0061	0.10	mg/L	309362	20	01/26/2021 15:34	KW
Vinyl chloride	BRL		0.0061	0.040	mg/L	309362	20	01/26/2021 15:34	KW
Surr: 4-Bromofluorobenzene	103		0	74.6-120	%REC	309362	20	01/26/2021 15:34	KW
Surr: Dibromofluoromethane	96.8		0	78.2-120	%REC	309362	20	01/26/2021 15:34	KW
Surr: Toluene-d8	103		0	83.1-120	%REC	309362	20	01/26/2021 15:34	KW

Qualifiers: * Value exceeds maximum contaminant level

E Estimated value above quantitation range

BRL Not detected at MDL

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

J Estimated value detected below Reporting Limit

N Analyte not NELAC certified

> Greater than Result value

B Analyte detected in the associated method blank

< Less than Result value

F Analyzed in the lab which is a deviation from the method

Narr See case narrative



Clear

Save as

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Tetra Tech.Inc.

AES Work Order Number:

2. Carrier: FedEx UPS USPS Client Courier Other _____

2101H98 2101 NO1

pm 1/27

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
5. Custody seals intact on shipping container?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
6. Temperature blanks present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
10. Sampler name and/or signature on COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
11. Were all samples received within holding time?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
12. TAT marked on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature 3.8 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials).

MC 1/20/21

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
26. Were trip blanks submitted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input checked="" type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials).

MC 1/20/21

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
29. Containers meet preservation guidelines?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
30. Was pH adjusted at Sample Receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials).

MC 1/20/21

Locked

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101N01

ANALYTICAL QC SUMMARY REPORT**BatchID: 309362**

Sample ID: MB-309362	Client ID:				Units: mg/L	Prep Date: 01/26/2021	Run No: 445177				
SampleType: MLBK	TestCode: VOLATILES, TCLP	SW1311/8260D			BatchID: 309362	Analysis Date: 01/26/2021	Seq No: 10153153				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	BRL	0.10									
1,2-Dichloroethane	BRL	0.10									
2-Butanone	BRL	0.20									
Benzene	BRL	0.10									
Carbon tetrachloride	BRL	0.10									
Chlorobenzene	BRL	0.10									
Chloroform	BRL	0.10									
Tetrachloroethene	BRL	0.10									
Trichloroethene	BRL	0.10									
Vinyl chloride	BRL	0.040									
Surr: 4-Bromofluorobenzene	1.000	0	1.000		100	74.6	120				
Surr: Dibromofluoromethane	0.9398	0	1.000		94.0	78.2	120				
Surr: Toluene-d8	1.005	0	1.000		101	83.1	120				

Sample ID: LCS-309362	Client ID:				Units: mg/L	Prep Date: 01/26/2021	Run No: 445177				
SampleType: LCS	TestCode: VOLATILES, TCLP	SW1311/8260D			BatchID: 309362	Analysis Date: 01/26/2021	Seq No: 10153154				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1.053	0.10	1.000		105	60.1	140				
1,2-Dichloroethane	1.176	0.10	1.000		118	65.4	136				
2-Butanone	2.370	0.20	2.000		119	54	137				
Benzene	1.138	0.10	1.000		114	73.7	130				
Carbon tetrachloride	1.553	0.10	1.000		155	65.9	137				S
Chlorobenzene	1.120	0.10	1.000		112	80.7	126				
Chloroform	1.078	0.10	1.000		108	63.2	134				
Tetrachloroethene	1.130	0.10	1.000		113	75	136				
Trichloroethene	1.152	0.10	1.000		115	75.4	132				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101N01

ANALYTICAL QC SUMMARY REPORT**BatchID: 309362**

Sample ID: LCS-309362	Client ID:				Units: mg/L	Prep Date: 01/26/2021	Run No: 445177				
SampleType: LCS	TestCode: VOLATILES, TCLP	SW1311/8260D			BatchID: 309362	Analysis Date: 01/26/2021	Seq No: 10153154				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Vinyl chloride	0.9876	0.040	1.000		98.8	55.2	138				
Surr: 4-Bromofluorobenzene	1.015	0	1.000		102	74.6	120				
Surr: Dibromofluoromethane	0.9950	0	1.000		99.5	78.2	120				
Surr: Toluene-d8	1.025	0	1.000		102	83.1	120				

Sample ID: 2101K72-001AMS	Client ID:				Units: mg/L	Prep Date: 01/26/2021	Run No: 445177				
SampleType: MS	TestCode: VOLATILES, TCLP	SW1311/8260D			BatchID: 309362	Analysis Date: 01/26/2021	Seq No: 10153893				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	0.9806	0.10	1.000		98.1	62	136				
1,2-Dichloroethane	1.154	0.10	1.000		115	65.3	136				
2-Butanone	2.578	0.20	2.000		129	61.5	139				
Benzene	1.046	0.10	1.000		105	71	135				
Carbon tetrachloride	1.371	0.10	1.000		137	64.7	137				S
Chlorobenzene	1.021	0.10	1.000		102	75.8	130				
Chloroform	1.066	0.10	1.000		107	61.5	135				
Tetrachloroethene	0.9878	0.10	1.000		98.8	72.6	137				
Trichloroethene	1.032	0.10	1.000		103	70.9	138				
Vinyl chloride	1.074	0.040	1.000		107	61.7	135				
Surr: 4-Bromofluorobenzene	1.074	0	1.000		107	74.6	120				
Surr: Dibromofluoromethane	0.9974	0	1.000		99.7	78.2	120				
Surr: Toluene-d8	1.048	0	1.000		105	83.1	120				

Sample ID: 2101K72-001ADUP	Client ID:				Units: mg/L	Prep Date: 01/26/2021	Run No: 445177				
SampleType: DUP	TestCode: VOLATILES, TCLP	SW1311/8260D			BatchID: 309362	Analysis Date: 01/26/2021	Seq No: 10153892				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	BRL	0.10				0	0	30
--------------------	-----	------	--	--	--	---	---	----

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Tetra Tech EM Inc.
Project Name: Celadon Recycling Solutions
Workorder: 2101N01

ANALYTICAL QC SUMMARY REPORT**BatchID: 309362**

Sample ID: 2101K72-001ADUP	Client ID:				Units: mg/L	Prep Date: 01/26/2021	Run No: 445177				
SampleType: DUP	TestCode: VOLATILES, TCLP	SW1311/8260D			BatchID: 309362	Analysis Date: 01/26/2021	Seq No: 10153892				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	BRL	0.10						0	0	30	
2-Butanone	BRL	0.20						0	0	30	
Benzene	BRL	0.10						0	0	30	
Carbon tetrachloride	BRL	0.10						0	0	30	
Chlorobenzene	BRL	0.10						0	0	30	
Chloroform	BRL	0.10						0	0	30	
Tetrachloroethene	BRL	0.10						0	0	30	
Trichloroethene	BRL	0.10						0	0	30	
Vinyl chloride	BRL	0.040						0	0	30	
Surr: 4-Bromofluorobenzene	1.020	0	1.000		102	74.6	120	1.029	0	0	
Surr: Dibromofluoromethane	0.9730	0	1.000		97.3	78.2	120	0.9746	0	0	
Surr: Toluene-d8	1.012	0	1.000		101	83.1	120	1.038	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

End of Report

January 20, 2021

Jessica Vickers
Tetra Tech
950 South 4th Street
Baldwyn, MS 38824

RE: Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Dear Jessica Vickers:

Enclosed are the analytical results for sample(s) received by the laboratory on January 15, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nikita Kuruganty
nikita.kuruganty@pacelabs.com
(770)734-4200
Project Manager

Enclosures

cc: John Snyder, Tetra Tech



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Pace Analytical Services Charlotte

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92516951001	CRS-SW-UP	Water	01/15/21 09:25	01/15/21 13:06
92516951002	CRS-SW-DS	Water	01/15/21 09:30	01/15/21 13:06
92516951003	CRS-SW-DUP	Water	01/15/21 09:35	01/15/21 13:06
92516951004	CRS-BLUEWATER	Water	01/15/21 10:45	01/15/21 13:06

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CELADON RECYCLING SOLUTIONS
 Pace Project No.: 92516951

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92516951001	CRS-SW-UP	EPA 6020B	BG2	7	PASI-A
		EPA 7470A	SOO	1	PASI-A
		EPA 8260D	SAS	63	PASI-C
92516951002	CRS-SW-DS	EPA 6020B	BG2	7	PASI-A
		EPA 7470A	SOO	1	PASI-A
		EPA 8260D	SAS	63	PASI-C
92516951003	CRS-SW-DUP	EPA 6020B	BG2	7	PASI-A
		EPA 7470A	SOO	1	PASI-A
		EPA 8260D	SAS	63	PASI-C
92516951004	CRS-BLUEWATER	EPA 6020B	BG2	7	PASI-A
		EPA 7470A	SOO	1	PASI-A
		EPA 8260D	PM1	63	PASI-C

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

Lab Sample ID	Client Sample ID						
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers	
92516951001	CRS-SW-UP						
EPA 6020B	Arsenic	0.63	ug/L	0.10	01/18/21 16:38		
EPA 6020B	Barium	15.2	ug/L	0.30	01/18/21 16:38		
EPA 6020B	Lead	0.12	ug/L	0.10	01/18/21 16:38		
EPA 8260D	Chloromethane	16.5	ug/L	1.0	01/18/21 16:39	v3	
92516951002	CRS-SW-DS						
EPA 6020B	Arsenic	0.90	ug/L	0.10	01/18/21 16:57		
EPA 6020B	Barium	17.9	ug/L	0.30	01/18/21 16:57		
EPA 6020B	Lead	0.30	ug/L	0.10	01/18/21 16:57		
EPA 6020B	Selenium	0.096J	ug/L	0.50	01/18/21 16:57		
EPA 8260D	Chloromethane	8.0	ug/L	1.0	01/18/21 16:57	v3	
92516951003	CRS-SW-DUP						
EPA 6020B	Arsenic	1.0	ug/L	0.10	01/18/21 17:01		
EPA 6020B	Barium	19.1	ug/L	0.30	01/18/21 17:01		
EPA 6020B	Chromium	0.63	ug/L	0.50	01/18/21 17:01		
EPA 6020B	Lead	0.37	ug/L	0.10	01/18/21 17:01		
EPA 8260D	Acetone	11.9J	ug/L	25.0	01/18/21 17:15		
EPA 8260D	Chloromethane	5.7	ug/L	1.0	01/18/21 17:15	v3	
92516951004	CRS-BLUEWATER						
EPA 6020B	Arsenic	5.7	ug/L	0.50	01/18/21 15:51		
EPA 6020B	Barium	2070	ug/L	7.5	01/18/21 17:13	M6	
EPA 6020B	Cadmium	4.9	ug/L	0.40	01/18/21 15:51		
EPA 6020B	Chromium	29.0	ug/L	2.5	01/18/21 15:51		
EPA 6020B	Lead	78.6	ug/L	2.5	01/18/21 17:13	M6	
EPA 6020B	Selenium	0.36J	ug/L	2.5	01/18/21 15:51		
EPA 8260D	Acetone	356	ug/L	250	01/19/21 13:48		
EPA 8260D	Naphthalene	6.0J	ug/L	10.0	01/19/21 13:48		
EPA 8260D	Styrene	173	ug/L	10.0	01/19/21 13:48		
EPA 8260D	Tetrachloroethene	11.7	ug/L	10.0	01/19/21 13:48		
EPA 8260D	Toluene	4.9J	ug/L	10.0	01/19/21 13:48		
EPA 8260D	Xylene (Total)	15.9	ug/L	10.0	01/19/21 13:48		
EPA 8260D	m&p-Xylene	11.1J	ug/L	20.0	01/19/21 13:48		
EPA 8260D	o-Xylene	4.8J	ug/L	10.0	01/19/21 13:48		

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Method: EPA 6020B
Description: 6020 MET ICPMS
Client: Tetra Tech - Atlanta, GA
Date: January 20, 2021

General Information:

4 samples were analyzed for EPA 6020B by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 593298

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92516951004

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 3131262)
 - Barium
 - Lead
- MSD (Lab ID: 3131263)
 - Barium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Method: EPA 6020B
Description: 6020 MET ICPMS
Client: Tetra Tech - Atlanta, GA
Date: January 20, 2021

Analyte Comments:

QC Batch: 593298

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- CRS-BLUEWATER (Lab ID: 92516951004)
- Silver

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

Method: EPA 7470A

Description: 7470 Mercury

Client: Tetra Tech - Atlanta, GA

Date: January 20, 2021

General Information:

4 samples were analyzed for EPA 7470A by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: Tetra Tech - Atlanta, GA

Date: January 20, 2021

General Information:

4 samples were analyzed for EPA 8260D by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

C4: Sample container did not meet EPA or method requirements.

- CRS-BLUEWATER (Lab ID: 92516951004)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 593362

IK: The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.

- BLANK (Lab ID: 3131607)
 - Chloroethane
- CRS-SW-DS (Lab ID: 92516951002)
 - Chloroethane
- CRS-SW-DUP (Lab ID: 92516951003)
 - Chloroethane
- CRS-SW-UP (Lab ID: 92516951001)
 - Chloroethane
- LCS (Lab ID: 3131608)
 - Chloroethane
- MS (Lab ID: 3131609)
 - Bromomethane
- MSD (Lab ID: 3131610)
 - Bromomethane

QC Batch: 593666

IK: The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.

- BLANK (Lab ID: 3132602)
 - Bromomethane
- CRS-BLUEWATER (Lab ID: 92516951004)
 - Bromomethane
- LCS (Lab ID: 3132603)
 - Bromomethane
- MS (Lab ID: 3132604)
 - Bromomethane
- MSD (Lab ID: 3132605)
 - Bromomethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: Tetra Tech - Atlanta, GA

Date: January 20, 2021

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 593362

v2: The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- BLANK (Lab ID: 3131607)
 - Chloromethane

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

- CRS-SW-DS (Lab ID: 92516951002)
 - Chloromethane
- CRS-SW-DUP (Lab ID: 92516951003)
 - Chloromethane
- CRS-SW-UP (Lab ID: 92516951001)
 - Chloromethane
- LCS (Lab ID: 3131608)
 - Chloromethane
- MS (Lab ID: 3131609)
 - Chloromethane
- MSD (Lab ID: 3131610)
 - Chloromethane

QC Batch: 593666

v2: The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- BLANK (Lab ID: 3132602)
 - Chloromethane
- CRS-BLUEWATER (Lab ID: 92516951004)
 - Chloromethane

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

- LCS (Lab ID: 3132603)
 - Chloromethane
- MS (Lab ID: 3132604)
 - Chloromethane
- MSD (Lab ID: 3132605)
 - Chloromethane

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Method: EPA 8260D
Description: 8260D MSV Low Level
Client: Tetra Tech - Atlanta, GA
Date: January 20, 2021

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 593666

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- CRS-BLUEWATER (Lab ID: 92516951004)
- 4-Bromofluorobenzene (S)

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Sample: CRS-SW-UP		Lab ID: 92516951001		Collected: 01/15/21 09:25		Received: 01/15/21 13:06		Matrix: Water		
Parameters	Results	Units		Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Arsenic	0.63	ug/L		0.10	0.087	1	01/16/21 01:39	01/18/21 16:38	7440-38-2	
Barium	15.2	ug/L		0.30	0.21	1	01/16/21 01:39	01/18/21 16:38	7440-39-3	
Cadmium	ND	ug/L		0.080	0.060	1	01/16/21 01:39	01/18/21 16:38	7440-43-9	
Chromium	ND	ug/L		0.50	0.50	1	01/16/21 01:39	01/18/21 16:38	7440-47-3	
Lead	0.12	ug/L		0.10	0.077	1	01/16/21 01:39	01/18/21 16:38	7439-92-1	
Selenium	ND	ug/L		0.50	0.061	1	01/16/21 01:39	01/18/21 16:38	7782-49-2	
Silver	ND	ug/L		0.40	0.070	1	01/16/21 01:39	01/18/21 16:38	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L		0.20	0.12	1	01/19/21 12:40	01/20/21 12:16	7439-97-6	
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L		25.0	6.2	1		01/18/21 16:39	67-64-1	
Benzene	ND	ug/L		1.0	0.15	1		01/18/21 16:39	71-43-2	
Bromobenzene	ND	ug/L		1.0	0.22	1		01/18/21 16:39	108-86-1	
Bromochloromethane	ND	ug/L		1.0	0.34	1		01/18/21 16:39	74-97-5	
Bromodichloromethane	ND	ug/L		1.0	0.26	1		01/18/21 16:39	75-27-4	
Bromoform	ND	ug/L		1.0	0.62	1		01/18/21 16:39	75-25-2	
Bromomethane	ND	ug/L		2.0	0.62	1		01/18/21 16:39	74-83-9	
2-Butanone (MEK)	ND	ug/L		5.0	3.3	1		01/18/21 16:39	78-93-3	
Carbon tetrachloride	ND	ug/L		1.0	0.22	1		01/18/21 16:39	56-23-5	
Chlorobenzene	ND	ug/L		1.0	0.23	1		01/18/21 16:39	108-90-7	
Chloroethane	ND	ug/L		1.0	0.49	1		01/18/21 16:39	75-00-3	IK
Chloroform	ND	ug/L		5.0	2.3	1		01/18/21 16:39	67-66-3	
Chloromethane	16.5	ug/L		1.0	0.39	1		01/18/21 16:39	74-87-3	v3
2-Chlorotoluene	ND	ug/L		1.0	0.20	1		01/18/21 16:39	95-49-8	
4-Chlorotoluene	ND	ug/L		1.0	0.20	1		01/18/21 16:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L		5.0	0.26	1		01/18/21 16:39	96-12-8	
Dibromochloromethane	ND	ug/L		1.0	0.41	1		01/18/21 16:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L		1.0	0.26	1		01/18/21 16:39	106-93-4	
Dibromomethane	ND	ug/L		1.0	0.46	1		01/18/21 16:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L		1.0	0.29	1		01/18/21 16:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L		1.0	0.22	1		01/18/21 16:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L		1.0	0.26	1		01/18/21 16:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L		1.0	0.23	1		01/18/21 16:39	75-71-8	
1,1-Dichloroethane	ND	ug/L		1.0	0.27	1		01/18/21 16:39	75-34-3	
1,2-Dichloroethane	ND	ug/L		1.0	0.34	1		01/18/21 16:39	107-06-2	
1,1-Dichloroethene	ND	ug/L		1.0	0.24	1		01/18/21 16:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L		1.0	0.29	1		01/18/21 16:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L		1.0	0.25	1		01/18/21 16:39	156-60-5	
1,2-Dichloropropane	ND	ug/L		1.0	0.19	1		01/18/21 16:39	78-87-5	
1,3-Dichloropropane	ND	ug/L		1.0	0.16	1		01/18/21 16:39	142-28-9	
2,2-Dichloropropane	ND	ug/L		1.0	0.27	1		01/18/21 16:39	594-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

Sample: CRS-SW-UP	Lab ID: 92516951001	Collected: 01/15/21 09:25	Received: 01/15/21 13:06	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/L	1.0	0.21	1		01/18/21 16:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.30	1		01/18/21 16:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.31	1		01/18/21 16:39	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		01/18/21 16:39	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.26	1		01/18/21 16:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.44	1		01/18/21 16:39	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.57	1		01/18/21 16:39	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.21	1		01/18/21 16:39	99-87-6	
Methylene Chloride	ND	ug/L	5.0	3.7	1		01/18/21 16:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	4.5	1		01/18/21 16:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		01/18/21 16:39	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.35	1		01/18/21 16:39	91-20-3	
Styrene	ND	ug/L	1.0	0.27	1		01/18/21 16:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.34	1		01/18/21 16:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/18/21 16:39	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.16	1		01/18/21 16:39	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		01/18/21 16:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.34	1		01/18/21 16:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.22	1		01/18/21 16:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		01/18/21 16:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.24	1		01/18/21 16:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.22	1		01/18/21 16:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.31	1		01/18/21 16:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.35	1		01/18/21 16:39	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.4	1		01/18/21 16:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.24	1		01/18/21 16:39	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.63	1		01/18/21 16:39	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.41	1		01/18/21 16:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/18/21 16:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		01/18/21 16:39	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		01/18/21 16:39	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		01/18/21 16:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Sample: CRS-SW-DS	Lab ID: 92516951002	Collected: 01/15/21 09:30	Received: 01/15/21 13:06	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Arsenic	0.90	ug/L	0.10	0.087	1	01/16/21 01:39	01/18/21 16:57	7440-38-2	
Barium	17.9	ug/L	0.30	0.21	1	01/16/21 01:39	01/18/21 16:57	7440-39-3	
Cadmium	ND	ug/L	0.080	0.060	1	01/16/21 01:39	01/18/21 16:57	7440-43-9	
Chromium	ND	ug/L	0.50	0.50	1	01/16/21 01:39	01/18/21 16:57	7440-47-3	
Lead	0.30	ug/L	0.10	0.077	1	01/16/21 01:39	01/18/21 16:57	7439-92-1	
Selenium	0.096J	ug/L	0.50	0.061	1	01/16/21 01:39	01/18/21 16:57	7782-49-2	
Silver	ND	ug/L	0.40	0.070	1	01/16/21 01:39	01/18/21 16:57	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	01/19/21 12:40	01/20/21 12:23	7439-97-6	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	ND	ug/L	25.0	6.2	1		01/18/21 16:57	67-64-1	
Benzene	ND	ug/L	1.0	0.15	1		01/18/21 16:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.22	1		01/18/21 16:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.34	1		01/18/21 16:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.26	1		01/18/21 16:57	75-27-4	
Bromoform	ND	ug/L	1.0	0.62	1		01/18/21 16:57	75-25-2	
Bromomethane	ND	ug/L	2.0	0.62	1		01/18/21 16:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	3.3	1		01/18/21 16:57	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.22	1		01/18/21 16:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/18/21 16:57	108-90-7	
Chloroethane	ND	ug/L	1.0	0.49	1		01/18/21 16:57	75-00-3	IK
Chloroform	ND	ug/L	5.0	2.3	1		01/18/21 16:57	67-66-3	
Chloromethane	8.0	ug/L	1.0	0.39	1		01/18/21 16:57	74-87-3	v3
2-Chlorotoluene	ND	ug/L	1.0	0.20	1		01/18/21 16:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.20	1		01/18/21 16:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	0.26	1		01/18/21 16:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.41	1		01/18/21 16:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		01/18/21 16:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.46	1		01/18/21 16:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.29	1		01/18/21 16:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.22	1		01/18/21 16:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.26	1		01/18/21 16:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		01/18/21 16:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.27	1		01/18/21 16:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.34	1		01/18/21 16:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.24	1		01/18/21 16:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.29	1		01/18/21 16:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.25	1		01/18/21 16:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.19	1		01/18/21 16:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.16	1		01/18/21 16:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/18/21 16:57	594-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Sample: CRS-SW-DS	Lab ID: 92516951002	Collected: 01/15/21 09:30	Received: 01/15/21 13:06	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/L	1.0	0.21	1		01/18/21 16:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.30	1		01/18/21 16:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.31	1		01/18/21 16:57	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		01/18/21 16:57	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.26	1		01/18/21 16:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.44	1		01/18/21 16:57	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.57	1		01/18/21 16:57	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.21	1		01/18/21 16:57	99-87-6	
Methylene Chloride	ND	ug/L	5.0	3.7	1		01/18/21 16:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	4.5	1		01/18/21 16:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		01/18/21 16:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.35	1		01/18/21 16:57	91-20-3	
Styrene	ND	ug/L	1.0	0.27	1		01/18/21 16:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.34	1		01/18/21 16:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/18/21 16:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.16	1		01/18/21 16:57	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		01/18/21 16:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.34	1		01/18/21 16:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.22	1		01/18/21 16:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		01/18/21 16:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.24	1		01/18/21 16:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.22	1		01/18/21 16:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.31	1		01/18/21 16:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.35	1		01/18/21 16:57	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.4	1		01/18/21 16:57	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.24	1		01/18/21 16:57	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.63	1		01/18/21 16:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.41	1		01/18/21 16:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/18/21 16:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/18/21 16:57	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/18/21 16:57	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/18/21 16:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Sample: CRS-SW-DUP		Lab ID: 92516951003		Collected: 01/15/21 09:35		Received: 01/15/21 13:06		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Arsenic	1.0	ug/L	0.10	0.087	1	01/16/21 01:39	01/18/21 17:01	7440-38-2	
Barium	19.1	ug/L	0.30	0.21	1	01/16/21 01:39	01/18/21 17:01	7440-39-3	
Cadmium	ND	ug/L	0.080	0.060	1	01/16/21 01:39	01/18/21 17:01	7440-43-9	
Chromium	0.63	ug/L	0.50	0.50	1	01/16/21 01:39	01/18/21 17:01	7440-47-3	
Lead	0.37	ug/L	0.10	0.077	1	01/16/21 01:39	01/18/21 17:01	7439-92-1	
Selenium	ND	ug/L	0.50	0.061	1	01/16/21 01:39	01/18/21 17:01	7782-49-2	
Silver	ND	ug/L	0.40	0.070	1	01/16/21 01:39	01/18/21 17:01	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville							
Mercury	ND	ug/L	0.20	0.12	1	01/19/21 12:40	01/20/21 12:25	7439-97-6	
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
Acetone	11.9J	ug/L	25.0	6.2	1		01/18/21 17:15	67-64-1	
Benzene	ND	ug/L	1.0	0.15	1		01/18/21 17:15	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.22	1		01/18/21 17:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.34	1		01/18/21 17:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.26	1		01/18/21 17:15	75-27-4	
Bromoform	ND	ug/L	1.0	0.62	1		01/18/21 17:15	75-25-2	
Bromomethane	ND	ug/L	2.0	0.62	1		01/18/21 17:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	3.3	1		01/18/21 17:15	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.22	1		01/18/21 17:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/18/21 17:15	108-90-7	
Chloroethane	ND	ug/L	1.0	0.49	1		01/18/21 17:15	75-00-3	IK
Chloroform	ND	ug/L	5.0	2.3	1		01/18/21 17:15	67-66-3	
Chloromethane	5.7	ug/L	1.0	0.39	1		01/18/21 17:15	74-87-3	v3
2-Chlorotoluene	ND	ug/L	1.0	0.20	1		01/18/21 17:15	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.20	1		01/18/21 17:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	0.26	1		01/18/21 17:15	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.41	1		01/18/21 17:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		01/18/21 17:15	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.46	1		01/18/21 17:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.29	1		01/18/21 17:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.22	1		01/18/21 17:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.26	1		01/18/21 17:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		01/18/21 17:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.27	1		01/18/21 17:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.34	1		01/18/21 17:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.24	1		01/18/21 17:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.29	1		01/18/21 17:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.25	1		01/18/21 17:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.19	1		01/18/21 17:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.16	1		01/18/21 17:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/18/21 17:15	594-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Sample: CRS-SW-DUP	Lab ID: 92516951003	Collected: 01/15/21 09:35	Received: 01/15/21 13:06	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/L	1.0	0.21	1		01/18/21 17:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.30	1		01/18/21 17:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.31	1		01/18/21 17:15	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		01/18/21 17:15	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.26	1		01/18/21 17:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.44	1		01/18/21 17:15	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.57	1		01/18/21 17:15	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.21	1		01/18/21 17:15	99-87-6	
Methylene Chloride	ND	ug/L	5.0	3.7	1		01/18/21 17:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	4.5	1		01/18/21 17:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		01/18/21 17:15	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.35	1		01/18/21 17:15	91-20-3	
Styrene	ND	ug/L	1.0	0.27	1		01/18/21 17:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.34	1		01/18/21 17:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		01/18/21 17:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.16	1		01/18/21 17:15	127-18-4	
Toluene	ND	ug/L	1.0	0.24	1		01/18/21 17:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.34	1		01/18/21 17:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.22	1		01/18/21 17:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.18	1		01/18/21 17:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.24	1		01/18/21 17:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.22	1		01/18/21 17:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.31	1		01/18/21 17:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.35	1		01/18/21 17:15	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1.4	1		01/18/21 17:15	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.24	1		01/18/21 17:15	75-01-4	
Xylene (Total)	ND	ug/L	1.0	0.63	1		01/18/21 17:15	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.41	1		01/18/21 17:15	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.22	1		01/18/21 17:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		01/18/21 17:15	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/18/21 17:15	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		01/18/21 17:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

Sample: CRS-BLUEWATER	Lab ID: 92516951004	Collected: 01/15/21 10:45	Received: 01/15/21 13:06	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Asheville								
Arsenic	5.7	ug/L	0.50	0.43	5	01/17/21 16:07	01/18/21 15:51	7440-38-2	
Barium	2070	ug/L	7.5	5.4	25	01/17/21 16:07	01/18/21 17:13	7440-39-3	M6
Cadmium	4.9	ug/L	0.40	0.30	5	01/17/21 16:07	01/18/21 15:51	7440-43-9	
Chromium	29.0	ug/L	2.5	2.5	5	01/17/21 16:07	01/18/21 15:51	7440-47-3	
Lead	78.6	ug/L	2.5	1.9	25	01/17/21 16:07	01/18/21 17:13	7439-92-1	M6
Selenium	0.36J	ug/L	2.5	0.31	5	01/17/21 16:07	01/18/21 15:51	7782-49-2	
Silver	ND	ug/L	2.0	0.35	5	01/17/21 16:07	01/18/21 15:51	7440-22-4	D3
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	0.12	1	01/19/21 12:40	01/20/21 12:28	7439-97-6	
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
Acetone	356	ug/L	250	61.7	10		01/19/21 13:48	67-64-1	
Benzene	ND	ug/L	10.0	1.5	10		01/19/21 13:48	71-43-2	
Bromobenzene	ND	ug/L	10.0	2.2	10		01/19/21 13:48	108-86-1	
Bromochloromethane	ND	ug/L	10.0	3.4	10		01/19/21 13:48	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	2.6	10		01/19/21 13:48	75-27-4	
Bromoform	ND	ug/L	10.0	6.2	10		01/19/21 13:48	75-25-2	
Bromomethane	ND	ug/L	20.0	6.2	10		01/19/21 13:48	74-83-9	IK
2-Butanone (MEK)	ND	ug/L	50.0	33.3	10		01/19/21 13:48	78-93-3	
Carbon tetrachloride	ND	ug/L	10.0	2.2	10		01/19/21 13:48	56-23-5	
Chlorobenzene	ND	ug/L	10.0	2.3	10		01/19/21 13:48	108-90-7	
Chloroethane	ND	ug/L	10.0	4.9	10		01/19/21 13:48	75-00-3	
Chloroform	ND	ug/L	50.0	23.4	10		01/19/21 13:48	67-66-3	
Chloromethane	ND	ug/L	10.0	3.9	10		01/19/21 13:48	74-87-3	v2
2-Chlorotoluene	ND	ug/L	10.0	2.0	10		01/19/21 13:48	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	2.0	10		01/19/21 13:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	2.6	10		01/19/21 13:48	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	4.1	10		01/19/21 13:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	2.6	10		01/19/21 13:48	106-93-4	
Dibromomethane	ND	ug/L	10.0	4.6	10		01/19/21 13:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	2.9	10		01/19/21 13:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	2.2	10		01/19/21 13:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	2.6	10		01/19/21 13:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	2.3	10		01/19/21 13:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	2.7	10		01/19/21 13:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	3.4	10		01/19/21 13:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	2.4	10		01/19/21 13:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	2.9	10		01/19/21 13:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	2.5	10		01/19/21 13:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	1.9	10		01/19/21 13:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	1.6	10		01/19/21 13:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	2.7	10		01/19/21 13:48	594-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

Sample: CRS-BLUEWATER	Lab ID: 92516951004	Collected: 01/15/21 10:45	Received: 01/15/21 13:06	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
1,1-Dichloropropene	ND	ug/L	10.0	2.1	10		01/19/21 13:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	3.0	10		01/19/21 13:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	3.1	10		01/19/21 13:48	10061-02-6	
Diisopropyl ether	ND	ug/L	10.0	2.2	10		01/19/21 13:48	108-20-3	
Ethylbenzene	ND	ug/L	10.0	2.6	10		01/19/21 13:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	4.4	10		01/19/21 13:48	87-68-3	
2-Hexanone	ND	ug/L	50.0	5.7	10		01/19/21 13:48	591-78-6	
p-Isopropyltoluene	ND	ug/L	10.0	2.1	10		01/19/21 13:48	99-87-6	
Methylene Chloride	ND	ug/L	50.0	36.9	10		01/19/21 13:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	45.3	10		01/19/21 13:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	2.8	10		01/19/21 13:48	1634-04-4	
Naphthalene	6.0J	ug/L	10.0	3.5	10		01/19/21 13:48	91-20-3	
Styrene	173	ug/L	10.0	2.7	10		01/19/21 13:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	3.4	10		01/19/21 13:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	2.2	10		01/19/21 13:48	79-34-5	
Tetrachloroethene	11.7	ug/L	10.0	1.6	10		01/19/21 13:48	127-18-4	
Toluene	4.9J	ug/L	10.0	2.4	10		01/19/21 13:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	3.4	10		01/19/21 13:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	2.2	10		01/19/21 13:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	1.8	10		01/19/21 13:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	2.4	10		01/19/21 13:48	79-00-5	
Trichloroethene	ND	ug/L	10.0	2.2	10		01/19/21 13:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	3.1	10		01/19/21 13:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	3.5	10		01/19/21 13:48	96-18-4	
Vinyl acetate	ND	ug/L	20.0	14.5	10		01/19/21 13:48	108-05-4	
Vinyl chloride	ND	ug/L	10.0	2.4	10		01/19/21 13:48	75-01-4	
Xylene (Total)	15.9	ug/L	10.0	6.3	10		01/19/21 13:48	1330-20-7	
m&p-Xylene	11.1J	ug/L	20.0	4.1	10		01/19/21 13:48	179601-23-1	
o-Xylene	4.8J	ug/L	10.0	2.2	10		01/19/21 13:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		01/19/21 13:48	460-00-4	C4,D3, HS
1,2-Dichloroethane-d4 (S)	92	%	70-130		10		01/19/21 13:48	17060-07-0	
Toluene-d8 (S)	98	%	70-130		10		01/19/21 13:48	2037-26-5	

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

QC Batch:	593677	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92516951001, 92516951002, 92516951003, 92516951004

METHOD BLANK: 3132639 Matrix: Water

Associated Lab Samples: 92516951001, 92516951002, 92516951003, 92516951004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.12	01/20/21 12:06	

LABORATORY CONTROL SAMPLE: 3132640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3132641 3132642

Parameter	Units	MS Result	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.6	2.4	102	97	75-125	5	25

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

QC Batch: 593225 Analysis Method: EPA 6020B

QC Batch Method: EPA 3010A Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92516951001, 92516951002, 92516951003

METHOD BLANK: 3131096 Matrix: Water

Associated Lab Samples: 92516951001, 92516951002, 92516951003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	ND	0.10	0.087	01/18/21 16:30	
Barium	ug/L	ND	0.30	0.21	01/18/21 16:30	
Cadmium	ug/L	ND	0.080	0.060	01/18/21 16:30	
Chromium	ug/L	ND	0.50	0.50	01/18/21 16:30	
Lead	ug/L	ND	0.10	0.077	01/18/21 16:30	
Selenium	ug/L	ND	0.50	0.061	01/18/21 16:30	
Silver	ug/L	ND	0.40	0.070	01/18/21 16:30	

LABORATORY CONTROL SAMPLE: 3131097

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	10	9.6	96	80-120	
Barium	ug/L	50	48.6	97	80-120	
Cadmium	ug/L	10	10.1	101	80-120	
Chromium	ug/L	50	49.6	99	80-120	
Lead	ug/L	50	50.5	101	80-120	
Selenium	ug/L	50	49.2	98	80-120	
Silver	ug/L	25	24.8	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3131098 3131099

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		92516951001 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec					
Arsenic	ug/L	0.63	10	10	10.4	10.3	98	96	75-125	2	20		
Barium	ug/L	15.2	50	50	63.9	63.8	97	97	75-125	0	20		
Cadmium	ug/L	ND	10	10	10.1	10.1	101	101	75-125	0	20		
Chromium	ug/L	ND	50	50	50.0	49.4	100	98	75-125	1	20		
Lead	ug/L	0.12	50	50	49.8	49.8	99	99	75-125	0	20		
Selenium	ug/L	ND	50	50	48.5	48.2	97	96	75-125	1	20		
Silver	ug/L	ND	25	25	24.6	24.6	99	98	75-125	0	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

QC Batch:	593298	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3010A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples: 92516951004			

METHOD BLANK: 3131260 Matrix: Water

Associated Lab Samples: 92516951004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	ND	0.10	0.087	01/18/21 15:44	
Barium	ug/L	ND	0.30	0.21	01/18/21 15:44	
Cadmium	ug/L	ND	0.080	0.060	01/18/21 15:44	
Chromium	ug/L	ND	0.50	0.50	01/18/21 15:44	
Lead	ug/L	ND	0.10	0.077	01/18/21 15:44	
Selenium	ug/L	ND	0.50	0.061	01/18/21 15:44	
Silver	ug/L	ND	0.40	0.070	01/18/21 15:44	

LABORATORY CONTROL SAMPLE: 3131261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	10	9.6	96	80-120	
Barium	ug/L	50	47.4	95	80-120	
Cadmium	ug/L	10	10.1	101	80-120	
Chromium	ug/L	50	48.6	97	80-120	
Lead	ug/L	50	49.3	99	80-120	
Selenium	ug/L	50	48.6	97	80-120	
Silver	ug/L	25	24.4	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3131262 3131263

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		92516951004 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec					
Arsenic	ug/L	5.7	10	10	16.8	15.7	110	100	75-125	6	20		
Barium	ug/L	2070	50	50	1620	1980	-895	-171	75-125	20	20	M6	
Cadmium	ug/L	4.9	10	10	16.2	15.2	113	103	75-125	6	20		
Chromium	ug/L	29.0	50	50	85.7	79.6	113	101	75-125	7	20		
Lead	ug/L	78.6	50	50	102	121	48	85	75-125	17	20	M6	
Selenium	ug/L	0.36J	50	50	47.5	48.9	94	97	75-125	3	20		
Silver	ug/L	ND	25	25	23.5	24.3	93	96	75-125	3	20		

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

QC Batch:	593362	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260D MSV Low Level
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92516951001, 92516951002, 92516951003

METHOD BLANK: 3131607 Matrix: Water

Associated Lab Samples: 92516951001, 92516951002, 92516951003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.34	01/18/21 12:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.18	01/18/21 12:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	01/18/21 12:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.24	01/18/21 12:09	
1,1-Dichloroethane	ug/L	ND	1.0	0.27	01/18/21 12:09	
1,1-Dichloroethene	ug/L	ND	1.0	0.24	01/18/21 12:09	
1,1-Dichloropropene	ug/L	ND	1.0	0.21	01/18/21 12:09	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.34	01/18/21 12:09	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.35	01/18/21 12:09	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.22	01/18/21 12:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	0.26	01/18/21 12:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.26	01/18/21 12:09	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.29	01/18/21 12:09	
1,2-Dichloroethane	ug/L	ND	1.0	0.34	01/18/21 12:09	
1,2-Dichloropropane	ug/L	ND	1.0	0.19	01/18/21 12:09	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.22	01/18/21 12:09	
1,3-Dichloropropane	ug/L	ND	1.0	0.16	01/18/21 12:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.26	01/18/21 12:09	
2,2-Dichloropropane	ug/L	ND	1.0	0.27	01/18/21 12:09	
2-Butanone (MEK)	ug/L	ND	5.0	3.3	01/18/21 12:09	
2-Chlorotoluene	ug/L	ND	1.0	0.20	01/18/21 12:09	
2-Hexanone	ug/L	ND	5.0	0.57	01/18/21 12:09	
4-Chlorotoluene	ug/L	ND	1.0	0.20	01/18/21 12:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	4.5	01/18/21 12:09	
Acetone	ug/L	ND	25.0	6.2	01/18/21 12:09	
Benzene	ug/L	ND	1.0	0.15	01/18/21 12:09	
Bromobenzene	ug/L	ND	1.0	0.22	01/18/21 12:09	
Bromochloromethane	ug/L	ND	1.0	0.34	01/18/21 12:09	
Bromodichloromethane	ug/L	ND	1.0	0.26	01/18/21 12:09	
Bromoform	ug/L	ND	1.0	0.62	01/18/21 12:09	
Bromomethane	ug/L	ND	2.0	0.62	01/18/21 12:09	
Carbon tetrachloride	ug/L	ND	1.0	0.22	01/18/21 12:09	
Chlorobenzene	ug/L	ND	1.0	0.23	01/18/21 12:09	
Chloroethane	ug/L	ND	1.0	0.49	01/18/21 12:09	IK
Chloroform	ug/L	ND	5.0	2.3	01/18/21 12:09	
Chloromethane	ug/L	ND	1.0	0.39	01/18/21 12:09	v2
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.29	01/18/21 12:09	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.30	01/18/21 12:09	
Dibromochloromethane	ug/L	ND	1.0	0.41	01/18/21 12:09	
Dibromomethane	ug/L	ND	1.0	0.46	01/18/21 12:09	

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

METHOD BLANK: 3131607

Matrix: Water

Associated Lab Samples: 92516951001, 92516951002, 92516951003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	0.23	01/18/21 12:09	
Diisopropyl ether	ug/L	ND	1.0	0.22	01/18/21 12:09	
Ethylbenzene	ug/L	ND	1.0	0.26	01/18/21 12:09	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.44	01/18/21 12:09	
m&p-Xylene	ug/L	ND	2.0	0.41	01/18/21 12:09	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.28	01/18/21 12:09	
Methylene Chloride	ug/L	ND	5.0	3.7	01/18/21 12:09	
Naphthalene	ug/L	ND	1.0	0.35	01/18/21 12:09	
o-Xylene	ug/L	ND	1.0	0.22	01/18/21 12:09	
p-Isopropyltoluene	ug/L	ND	1.0	0.21	01/18/21 12:09	
Styrene	ug/L	ND	1.0	0.27	01/18/21 12:09	
Tetrachloroethene	ug/L	ND	1.0	0.16	01/18/21 12:09	
Toluene	ug/L	ND	1.0	0.24	01/18/21 12:09	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.25	01/18/21 12:09	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.31	01/18/21 12:09	
Trichloroethene	ug/L	ND	1.0	0.22	01/18/21 12:09	
Trichlorofluoromethane	ug/L	ND	1.0	0.31	01/18/21 12:09	
Vinyl acetate	ug/L	ND	2.0	1.4	01/18/21 12:09	
Vinyl chloride	ug/L	ND	1.0	0.24	01/18/21 12:09	
Xylene (Total)	ug/L	ND	1.0	0.63	01/18/21 12:09	
1,2-Dichloroethane-d4 (S)	%	100	70-130		01/18/21 12:09	
4-Bromofluorobenzene (S)	%	96	70-130		01/18/21 12:09	
Toluene-d8 (S)	%	100	70-130		01/18/21 12:09	

LABORATORY CONTROL SAMPLE: 3131608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.3	111	70-130	
1,1,1-Trichloroethane	ug/L	50	52.8	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	98	70-130	
1,1,2-Trichloroethane	ug/L	50	51.6	103	70-130	
1,1-Dichloroethane	ug/L	50	48.4	97	70-130	
1,1-Dichloroethene	ug/L	50	52.5	105	70-132	
1,1-Dichloropropene	ug/L	50	49.8	100	70-131	
1,2,3-Trichlorobenzene	ug/L	50	51.9	104	70-134	
1,2,3-Trichloropropane	ug/L	50	49.0	98	70-130	
1,2,4-Trichlorobenzene	ug/L	50	54.0	108	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	53.8	108	70-132	
1,2-Dibromoethane (EDB)	ug/L	50	53.0	106	70-130	
1,2-Dichlorobenzene	ug/L	50	52.6	105	70-130	
1,2-Dichloroethane	ug/L	50	48.7	97	70-130	
1,2-Dichloropropene	ug/L	50	50.5	101	70-130	
1,3-Dichlorobenzene	ug/L	50	53.5	107	70-130	
1,3-Dichloropropane	ug/L	50	51.5	103	70-130	

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

LABORATORY CONTROL SAMPLE: 3131608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	52.9	106	70-130	
2,2-Dichloropropane	ug/L	50	56.1	112	70-130	
2-Butanone (MEK)	ug/L	100	79.9	80	70-133	
2-Chlorotoluene	ug/L	50	52.4	105	70-130	
2-Hexanone	ug/L	100	83.6	84	70-130	
4-Chlorotoluene	ug/L	50	50.1	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	82.2	82	70-130	
Acetone	ug/L	100	92.9	93	70-144	
Benzene	ug/L	50	50.4	101	70-130	
Bromobenzene	ug/L	50	52.2	104	70-130	
Bromochloromethane	ug/L	50	51.8	104	70-130	
Bromodichloromethane	ug/L	50	49.9	100	70-130	
Bromoform	ug/L	50	57.5	115	70-131	
Bromomethane	ug/L	50	40.3	81	30-177	
Carbon tetrachloride	ug/L	50	55.7	111	70-130	
Chlorobenzene	ug/L	50	53.3	107	70-130	
Chloroethane	ug/L	50	41.8	84	46-131 IK	
Chloroform	ug/L	50	48.3	97	70-130	
Chloromethane	ug/L	50	35.3	71	49-130 v3	
cis-1,2-Dichloroethene	ug/L	50	47.6	95	70-130	
cis-1,3-Dichloropropene	ug/L	50	55.8	112	70-130	
Dibromochloromethane	ug/L	50	56.6	113	70-130	
Dibromomethane	ug/L	50	55.3	111	70-130	
Dichlorodifluoromethane	ug/L	50	47.3	95	52-134	
Diisopropyl ether	ug/L	50	40.2	80	70-131	
Ethylbenzene	ug/L	50	52.6	105	70-130	
Hexachloro-1,3-butadiene	ug/L	50	58.7	117	70-131	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	45.9	92	70-130	
Methylene Chloride	ug/L	50	42.6	85	68-130	
Naphthalene	ug/L	50	48.2	96	70-133	
o-Xylene	ug/L	50	52.8	106	70-130	
p-Isopropyltoluene	ug/L	50	53.3	107	70-130	
Styrene	ug/L	50	54.6	109	70-130	
Tetrachloroethene	ug/L	50	57.6	115	70-130	
Toluene	ug/L	50	52.2	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.9	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.9	110	70-130	
Trichloroethene	ug/L	50	55.4	111	70-130	
Trichlorofluoromethane	ug/L	50	50.2	100	61-130	
Vinyl acetate	ug/L	100	94.1	94	70-140	
Vinyl chloride	ug/L	50	42.9	86	59-142	
Xylene (Total)	ug/L	150	160	107	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3131609		3131610		MSD % Rec	% Rec Limits	RPD	Max RPD	Qual					
				MS		MSD											
		92516952002	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result										
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	22.9	23.4	115	117	70-135	2	30						
1,1,1-Trichloroethane	ug/L	ND	20	20	21.3	21.5	106	107	70-148	1	30						
1,1,2-Tetrachloroethane	ug/L	ND	20	20	20.8	21.1	104	105	70-131	1	30						
1,1,2-Trichloroethane	ug/L	ND	20	20	20.8	20.7	104	103	70-136	0	30						
1,1-Dichloroethane	ug/L	ND	20	20	22.1	22.0	111	110	70-147	1	30						
1,1-Dichloroethene	ug/L	ND	20	20	23.9	24.1	120	120	70-158	1	30						
1,1-Dichloropropene	ug/L	ND	20	20	22.9	22.9	115	114	70-149	0	30						
1,2,3-Trichlorobenzene	ug/L	ND	20	20	21.1	21.8	106	109	68-140	3	30						
1,2,3-Trichloropropane	ug/L	ND	20	20	20.1	20.5	101	103	67-137	2	30						
1,2,4-Trichlorobenzene	ug/L	ND	20	20	21.7	22.1	108	111	70-139	2	30						
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20.3	21.2	102	106	69-136	4	30						
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	21.6	22.0	108	110	70-137	1	30						
1,2-Dichlorobenzene	ug/L	ND	20	20	22.8	23.1	114	115	70-133	1	30						
1,2-Dichloroethane	ug/L	ND	20	20	21.2	21.6	106	108	67-138	2	30						
1,2-Dichloropropane	ug/L	ND	20	20	22.2	21.9	111	110	70-138	1	30						
1,3-Dichlorobenzene	ug/L	ND	20	20	22.3	23.5	111	118	70-133	6	30						
1,3-Dichloropropane	ug/L	ND	20	20	21.9	22.8	109	114	70-136	4	30						
1,4-Dichlorobenzene	ug/L	ND	20	20	22.5	22.6	112	113	70-133	1	30						
2,2-Dichloropropane	ug/L	ND	20	20	23.1	23.0	116	115	52-155	0	30						
2-Butanone (MEK)	ug/L	ND	40	40	40.6	41.7	101	104	61-147	3	30						
2-Chlorotoluene	ug/L	ND	20	20	22.3	22.6	111	113	70-141	1	30						
2-Hexanone	ug/L	ND	40	40	40.2	41.1	100	103	67-139	2	30						
4-Chlorotoluene	ug/L	ND	20	20	22.0	22.5	110	112	70-135	2	30						
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40	40.2	40.9	100	102	67-136	2	30						
Acetone	ug/L	ND	40	40	39.8	41.1	100	103	55-159	3	30						
Benzene	ug/L	ND	20	20	22.3	22.1	111	111	67-150	1	30						
Bromobenzene	ug/L	ND	20	20	22.1	22.5	110	112	70-134	2	30						
Bromochloromethane	ug/L	ND	20	20	21.5	21.5	108	107	70-146	0	30						
Bromodichloromethane	ug/L	ND	20	20	21.0	20.8	105	104	70-138	1	30						
Bromoform	ug/L	ND	20	20	21.3	22.2	106	111	57-138	4	30						
Bromomethane	ug/L	ND	20	20	26.2	26.8	131	134	10-200	3	30	IK					
Carbon tetrachloride	ug/L	ND	20	20	24.3	24.0	122	120	70-147	1	30						
Chlorobenzene	ug/L	ND	20	20	23.0	23.8	115	119	70-137	3	30						
Chloroethane	ug/L	ND	20	20	14.8	18.2	74	91	51-166	20	30						
Chloroform	ug/L	ND	20	20	21.7	22.0	109	110	70-144	1	30						
Chloromethane	ug/L	ND	20	20	13.9	14.3	69	72	24-161	3	30	v3					
cis-1,2-Dichloroethene	ug/L	ND	20	20	21.6	21.7	107	107	67-148	0	30						
cis-1,3-Dichloropropene	ug/L	ND	20	20	22.1	21.8	110	109	70-142	1	30						
Dibromochloromethane	ug/L	ND	20	20	22.6	23.0	113	115	68-138	2	30						
Dibromomethane	ug/L	ND	20	20	22.5	22.6	112	113	70-134	1	30						
Dichlorodifluoromethane	ug/L	ND	20	20	16.8	16.7	84	83	43-155	1	30						
Diisopropyl ether	ug/L	ND	20	20	20.2	20.6	101	103	65-146	2	30						
Ethylbenzene	ug/L	ND	20	20	22.5	23.2	113	116	68-143	3	30						
Hexachloro-1,3-butadiene	ug/L	ND	20	20	23.2	24.4	116	122	62-151	5	30						

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3131609		3131610		% Rec Limits	RPD	Max RPD	Max Qual				
				MS		MSD									
		92516952002	Result	Spike Conc.	Spike Conc.	MS Result	MSD % Rec								
m&p-Xylene	ug/L	ND	40	40	45.7	46.9	114	117	53-157	3	30				
Methyl-tert-butyl ether	ug/L	ND	20	20	19.8	20.1	99	101	59-156	2	30				
Methylene Chloride	ug/L	ND	20	20	21.6	22.1	108	110	64-148	2	30				
Naphthalene	ug/L	0.81J	20	20	20.6	21.0	99	101	57-150	2	30				
o-Xylene	ug/L	ND	20	20	22.6	23.3	113	116	68-143	3	30				
p-Isopropyltoluene	ug/L	ND	20	20	22.6	23.1	113	116	70-141	2	30				
Styrene	ug/L	ND	20	20	22.2	22.9	111	114	70-136	3	30				
Tetrachloroethene	ug/L	29.5	20	20	51.3	51.7	109	111	70-139	1	30				
Toluene	ug/L	ND	20	20	21.8	21.9	109	109	47-157	1	30				
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.4	22.8	112	114	70-149	2	30				
trans-1,3-Dichloropropene	ug/L	ND	20	20	21.1	21.1	106	105	70-138	0	30				
Trichloroethene	ug/L	0.80J	20	20	24.3	24.3	118	118	70-149	0	30				
Trichlorofluoromethane	ug/L	ND	20	20	19.4	19.7	97	98	61-154	2	30				
Vinyl acetate	ug/L	ND	40	40	47.0	47.8	118	119	48-156	2	30				
Vinyl chloride	ug/L	ND	20	20	17.8	18.3	89	92	55-172	3	30				
Xylene (Total)	ug/L	ND	60	60	68.3	70.2	114	117	66-145	3	30				
1,2-Dichloroethane-d4 (S)	%						96	95	70-130						
4-Bromofluorobenzene (S)	%						98	101	70-130						
Toluene-d8 (S)	%						97	96	70-130						

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

QC Batch:	593666	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260D MSV Low Level
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92516951004

METHOD BLANK: 3132602 Matrix: Water

Associated Lab Samples: 92516951004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	0.34	01/19/21 12:54	
1,1,1-Trichloroethane	ug/L	ND	1.0	0.18	01/19/21 12:54	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	0.22	01/19/21 12:54	
1,1,2-Trichloroethane	ug/L	ND	1.0	0.24	01/19/21 12:54	
1,1-Dichloroethane	ug/L	ND	1.0	0.27	01/19/21 12:54	
1,1-Dichloroethene	ug/L	ND	1.0	0.24	01/19/21 12:54	
1,1-Dichloropropene	ug/L	ND	1.0	0.21	01/19/21 12:54	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	0.34	01/19/21 12:54	
1,2,3-Trichloropropane	ug/L	ND	1.0	0.35	01/19/21 12:54	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	0.22	01/19/21 12:54	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	0.26	01/19/21 12:54	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	0.26	01/19/21 12:54	
1,2-Dichlorobenzene	ug/L	ND	1.0	0.29	01/19/21 12:54	
1,2-Dichloroethane	ug/L	ND	1.0	0.34	01/19/21 12:54	
1,2-Dichloropropane	ug/L	ND	1.0	0.19	01/19/21 12:54	
1,3-Dichlorobenzene	ug/L	ND	1.0	0.22	01/19/21 12:54	
1,3-Dichloropropane	ug/L	ND	1.0	0.16	01/19/21 12:54	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.26	01/19/21 12:54	
2,2-Dichloropropane	ug/L	ND	1.0	0.27	01/19/21 12:54	
2-Butanone (MEK)	ug/L	ND	5.0	3.3	01/19/21 12:54	
2-Chlorotoluene	ug/L	ND	1.0	0.20	01/19/21 12:54	
2-Hexanone	ug/L	ND	5.0	0.57	01/19/21 12:54	
4-Chlorotoluene	ug/L	ND	1.0	0.20	01/19/21 12:54	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	4.5	01/19/21 12:54	
Acetone	ug/L	ND	25.0	6.2	01/19/21 12:54	
Benzene	ug/L	ND	1.0	0.15	01/19/21 12:54	
Bromobenzene	ug/L	ND	1.0	0.22	01/19/21 12:54	
Bromochloromethane	ug/L	ND	1.0	0.34	01/19/21 12:54	
Bromodichloromethane	ug/L	ND	1.0	0.26	01/19/21 12:54	
Bromoform	ug/L	ND	1.0	0.62	01/19/21 12:54	
Bromomethane	ug/L	ND	2.0	0.62	01/19/21 12:54	IK
Carbon tetrachloride	ug/L	ND	1.0	0.22	01/19/21 12:54	
Chlorobenzene	ug/L	ND	1.0	0.23	01/19/21 12:54	
Chloroethane	ug/L	ND	1.0	0.49	01/19/21 12:54	
Chloroform	ug/L	ND	5.0	2.3	01/19/21 12:54	
Chloromethane	ug/L	ND	1.0	0.39	01/19/21 12:54	v2
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.29	01/19/21 12:54	
cis-1,3-Dichloropropene	ug/L	ND	1.0	0.30	01/19/21 12:54	
Dibromochloromethane	ug/L	ND	1.0	0.41	01/19/21 12:54	
Dibromomethane	ug/L	ND	1.0	0.46	01/19/21 12:54	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

METHOD BLANK: 3132602

Matrix: Water

Associated Lab Samples: 92516951004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	0.23	01/19/21 12:54	
Diisopropyl ether	ug/L	ND	1.0	0.22	01/19/21 12:54	
Ethylbenzene	ug/L	ND	1.0	0.26	01/19/21 12:54	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	0.44	01/19/21 12:54	
m&p-Xylene	ug/L	ND	2.0	0.41	01/19/21 12:54	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.28	01/19/21 12:54	
Methylene Chloride	ug/L	ND	5.0	3.7	01/19/21 12:54	
Naphthalene	ug/L	ND	1.0	0.35	01/19/21 12:54	
o-Xylene	ug/L	ND	1.0	0.22	01/19/21 12:54	
p-Isopropyltoluene	ug/L	ND	1.0	0.21	01/19/21 12:54	
Styrene	ug/L	ND	1.0	0.27	01/19/21 12:54	
Tetrachloroethene	ug/L	ND	1.0	0.16	01/19/21 12:54	
Toluene	ug/L	ND	1.0	0.24	01/19/21 12:54	
trans-1,2-Dichloroethene	ug/L	ND	1.0	0.25	01/19/21 12:54	
trans-1,3-Dichloropropene	ug/L	ND	1.0	0.31	01/19/21 12:54	
Trichloroethene	ug/L	ND	1.0	0.22	01/19/21 12:54	
Trichlorofluoromethane	ug/L	ND	1.0	0.31	01/19/21 12:54	
Vinyl acetate	ug/L	ND	2.0	1.4	01/19/21 12:54	
Vinyl chloride	ug/L	ND	1.0	0.24	01/19/21 12:54	
Xylene (Total)	ug/L	ND	1.0	0.63	01/19/21 12:54	
1,2-Dichloroethane-d4 (S)	%	95	70-130		01/19/21 12:54	
4-Bromofluorobenzene (S)	%	100	70-130		01/19/21 12:54	
Toluene-d8 (S)	%	97	70-130		01/19/21 12:54	

LABORATORY CONTROL SAMPLE: 3132603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.7	109	70-130	
1,1,1-Trichloroethane	ug/L	50	49.5	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.7	101	70-130	
1,1,2-Trichloroethane	ug/L	50	51.3	103	70-130	
1,1-Dichloroethane	ug/L	50	51.8	104	70-130	
1,1-Dichloroethene	ug/L	50	55.8	112	70-132	
1,1-Dichloropropene	ug/L	50	52.4	105	70-131	
1,2,3-Trichlorobenzene	ug/L	50	52.1	104	70-134	
1,2,3-Trichloropropane	ug/L	50	47.7	95	70-130	
1,2,4-Trichlorobenzene	ug/L	50	54.3	109	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.7	105	70-132	
1,2-Dibromoethane (EDB)	ug/L	50	52.9	106	70-130	
1,2-Dichlorobenzene	ug/L	50	54.8	110	70-130	
1,2-Dichloroethane	ug/L	50	51.4	103	70-130	
1,2-Dichloropropene	ug/L	50	53.1	106	70-130	
1,3-Dichlorobenzene	ug/L	50	55.0	110	70-130	
1,3-Dichloropropane	ug/L	50	53.4	107	70-130	

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

LABORATORY CONTROL SAMPLE: 3132603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	53.5	107	70-130	
2,2-Dichloropropane	ug/L	50	52.8	106	70-130	
2-Butanone (MEK)	ug/L	100	105	105	70-133	
2-Chlorotoluene	ug/L	50	52.3	105	70-130	
2-Hexanone	ug/L	100	101	101	70-130	
4-Chlorotoluene	ug/L	50	51.6	103	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	70-130	
Acetone	ug/L	100	104	104	70-144	
Benzene	ug/L	50	52.7	105	70-130	
Bromobenzene	ug/L	50	53.4	107	70-130	
Bromochloromethane	ug/L	50	49.9	100	70-130	
Bromodichloromethane	ug/L	50	50.7	101	70-130	
Bromoform	ug/L	50	54.2	108	70-131	
Bromomethane	ug/L	50	47.9	96	30-177 IK	
Carbon tetrachloride	ug/L	50	54.5	109	70-130	
Chlorobenzene	ug/L	50	54.3	109	70-130	
Chloroethane	ug/L	50	42.6	85	46-131	
Chloroform	ug/L	50	50.8	102	70-130	
Chloromethane	ug/L	50	37.0	74	49-130 v3	
cis-1,2-Dichloroethene	ug/L	50	51.2	102	70-130	
cis-1,3-Dichloropropene	ug/L	50	53.1	106	70-130	
Dibromochloromethane	ug/L	50	55.0	110	70-130	
Dibromomethane	ug/L	50	54.9	110	70-130	
Dichlorodifluoromethane	ug/L	50	49.2	98	52-134	
Diisopropyl ether	ug/L	50	49.8	100	70-131	
Ethylbenzene	ug/L	50	52.2	104	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.4	107	70-131	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	48.4	97	70-130	
Methylene Chloride	ug/L	50	51.9	104	68-130	
Naphthalene	ug/L	50	51.8	104	70-133	
o-Xylene	ug/L	50	53.2	106	70-130	
p-Isopropyltoluene	ug/L	50	53.2	106	70-130	
Styrene	ug/L	50	53.3	107	70-130	
Tetrachloroethene	ug/L	50	53.1	106	70-130	
Toluene	ug/L	50	51.4	103	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.6	107	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.2	104	70-130	
Trichloroethene	ug/L	50	55.9	112	70-130	
Trichlorofluoromethane	ug/L	50	45.7	91	61-130	
Vinyl acetate	ug/L	100	118	118	70-140	
Vinyl chloride	ug/L	50	43.3	87	59-142	
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS

Pace Project No.: 92516951

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3132604		3132605		% Rec	Limits	RPD	Max RPD	Qual					
				MS		MSD											
		92516814016	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result										
1,1,1,2-Tetrachloroethane	ug/L	ND	100	100	123	123	123	123	70-135	0	30						
1,1,1-Trichloroethane	ug/L	ND	100	100	114	114	114	114	70-148	0	30						
1,1,2,2-Tetrachloroethane	ug/L	ND	100	100	108	110	108	110	70-131	2	30						
1,1,2-Trichloroethane	ug/L	ND	100	100	112	111	112	111	70-136	1	30						
1,1-Dichloroethane	ug/L	ND	100	100	118	117	118	117	70-147	1	30						
1,1-Dichloroethene	ug/L	ND	100	100	133	131	133	131	70-158	1	30						
1,1-Dichloropropene	ug/L	ND	100	100	124	122	124	122	70-149	2	30						
1,2,3-Trichlorobenzene	ug/L	ND	100	100	119	113	119	113	68-140	5	30						
1,2,3-Trichloropropane	ug/L	ND	100	100	106	107	106	107	67-137	1	30						
1,2,4-Trichlorobenzene	ug/L	ND	100	100	123	119	123	119	70-139	4	30						
1,2-Dibromo-3-chloropropane	ug/L	ND	100	100	114	109	114	109	69-136	5	30						
1,2-Dibromoethane (EDB)	ug/L	ND	100	100	117	116	117	116	70-137	1	30						
1,2-Dichlorobenzene	ug/L	ND	100	100	125	120	125	120	70-133	4	30						
1,2-Dichloroethane	ug/L	46.5	100	100	158	158	112	111	67-138	0	30						
1,2-Dichloropropane	ug/L	ND	100	100	122	120	119	117	70-138	2	30						
1,3-Dichlorobenzene	ug/L	ND	100	100	128	123	128	123	70-133	4	30						
1,3-Dichloropropane	ug/L	ND	100	100	117	118	117	118	70-136	1	30						
1,4-Dichlorobenzene	ug/L	ND	100	100	124	119	124	119	70-133	4	30						
2,2-Dichloropropane	ug/L	ND	100	100	126	124	126	124	52-155	2	30						
2-Butanone (MEK)	ug/L	ND	200	200	224	219	112	109	61-147	2	30						
2-Chlorotoluene	ug/L	ND	100	100	122	118	122	118	70-141	3	30						
2-Hexanone	ug/L	ND	200	200	212	210	106	105	67-139	1	30						
4-Chlorotoluene	ug/L	ND	100	100	122	117	122	117	70-135	4	30						
4-Methyl-2-pentanone (MIBK)	ug/L	ND	200	200	218	213	109	107	67-136	2	30						
Acetone	ug/L	ND	200	200	233	232	117	116	55-159	1	30						
Benzene	ug/L	641	100	100	773	777	131	135	67-150	1	30						
Bromobenzene	ug/L	ND	100	100	124	118	124	118	70-134	5	30						
Bromochloromethane	ug/L	ND	100	100	112	113	112	113	70-146	1	30						
Bromodichloromethane	ug/L	ND	100	100	111	112	111	112	70-138	0	30						
Bromoform	ug/L	ND	100	100	114	117	114	117	57-138	2	30						
Bromomethane	ug/L	ND	100	100	147	144	147	144	10-200	2	30	IK					
Carbon tetrachloride	ug/L	ND	100	100	132	128	132	128	70-147	3	30						
Chlorobenzene	ug/L	ND	100	100	125	124	125	124	70-137	1	30						
Chloroethane	ug/L	ND	100	100	101	85.7	101	86	51-166	16	30						
Chloroform	ug/L	ND	100	100	117	116	117	116	70-144	1	30						
Chloromethane	ug/L	ND	100	100	88.6	90.1	89	90	24-161	2	30	v3					
cis-1,2-Dichloroethene	ug/L	ND	100	100	116	115	116	115	67-148	1	30						
cis-1,3-Dichloropropene	ug/L	ND	100	100	118	114	118	114	70-142	3	30						
Dibromochloromethane	ug/L	ND	100	100	120	120	120	120	68-138	1	30						
Dibromomethane	ug/L	ND	100	100	123	121	123	121	70-134	1	30						
Dichlorodifluoromethane	ug/L	ND	100	100	118	117	118	117	43-155	1	30						
Diisopropyl ether	ug/L	84.1	100	100	196	196	112	112	65-146	0	30						
Ethylbenzene	ug/L	ND	100	100	123	122	123	122	68-143	1	30						
Hexachloro-1,3-butadiene	ug/L	ND	100	100	135	129	135	129	62-151	4	30						

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QUALITY CONTROL DATA

Project: CELADON RECYCLING SOLUTIONS
Pace Project No.: 92516951

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3132604		3132605									
Parameter	Units	MS		MSD		MS		MSD		% Rec		Max	
		92516814016	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec	Limits	RPD	RPD	Qual	
m&p-Xylene	ug/L	180	200	200	432	429	126	124	53-157	1	30		
Methyl-tert-butyl ether	ug/L	ND	100	100	105	104	105	104	59-156	1	30		
Methylene Chloride	ug/L	ND	100	100	122	120	122	120	64-148	1	30		
Naphthalene	ug/L	20.5	100	100	136	132	116	112	57-150	3	30		
o-Xylene	ug/L	180	100	100	306	307	126	127	68-143	0	30		
p-Isopropyltoluene	ug/L	ND	100	100	128	123	128	123	70-141	4	30		
Styrene	ug/L	ND	100	100	126	125	126	125	70-136	1	30		
Tetrachloroethene	ug/L	ND	100	100	128	128	128	128	70-139	1	30		
Toluene	ug/L	ND	100	100	119	118	119	118	47-157	1	30		
trans-1,2-Dichloroethene	ug/L	ND	100	100	124	124	124	124	70-149	0	30		
trans-1,3-Dichloropropene	ug/L	ND	100	100	114	111	114	111	70-138	3	30		
Trichloroethene	ug/L	ND	100	100	130	127	130	127	70-149	3	30		
Trichlorofluoromethane	ug/L	ND	100	100	110	110	110	110	61-154	0	30		
Vinyl acetate	ug/L	ND	200	200	254	249	127	125	48-156	2	30		
Vinyl chloride	ug/L	ND	100	100	105	107	105	107	55-172	2	30		
Xylene (Total)	ug/L	361	300	300	739	736	126	125	66-145	0	30		
1,2-Dichloroethane-d4 (S)	%						94	94	70-130				
4-Bromofluorobenzene (S)	%						97	99	70-130				
Toluene-d8 (S)	%						97	96	70-130				

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REPORT OF LABORATORY ANALYSIS

QUALIFIERS

Project: CELADON RECYCLING SOLUTIONS
 Pace Project No.: 92516951

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
 ND - Not Detected at or above adjusted reporting limit.
 TNTC - Too Numerous To Count
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
 MDL - Adjusted Method Detection Limit.
 PQL - Practical Quantitation Limit.
 RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
 S - Surrogate
 1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
 Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
 LCS(D) - Laboratory Control Sample (Duplicate)
 MS(D) - Matrix Spike (Duplicate)
 DUP - Sample Duplicate
 RPD - Relative Percent Difference
 NC - Not Calculable.
 SG - Silica Gel - Clean-Up
 U - Indicates the compound was analyzed for, but not detected.
 Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.
 A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.
 N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
 Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
 TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- C4 Sample container did not meet EPA or method requirements.
- D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
- IK The recalculated concentration of the calibration standard(s) did not meet method acceptance criteria; this result should be considered an estimated value.
- M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
- v2 The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
- v3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CELADON RECYCLING SOLUTIONS
 Pace Project No.: 92516951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92516951001	CRS-SW-UP	EPA 3010A	593225	EPA 6020B	593241
92516951002	CRS-SW-DS	EPA 3010A	593225	EPA 6020B	593241
92516951003	CRS-SW-DUP	EPA 3010A	593225	EPA 6020B	593241
92516951004	CRS-BLUEWATER	EPA 3010A	593298	EPA 6020B	593299
92516951001	CRS-SW-UP	EPA 7470A	593677	EPA 7470A	593739
92516951002	CRS-SW-DS	EPA 7470A	593677	EPA 7470A	593739
92516951003	CRS-SW-DUP	EPA 7470A	593677	EPA 7470A	593739
92516951004	CRS-BLUEWATER	EPA 7470A	593677	EPA 7470A	593739
92516951001	CRS-SW-UP	EPA 8260D	593362		
92516951002	CRS-SW-DS	EPA 8260D	593362		
92516951003	CRS-SW-DUP	EPA 8260D	593362		
92516951004	CRS-BLUEWATER	EPA 8260D	593666		

REPORT OF LABORATORY ANALYSIS

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 without the written consent of Pace Analytical Services, LLC.

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHG

**Bottom half of box is to list number of bottles

Project #

WO# : 92516951

PM: NJK

Due Date: 01/19/21

CLIENT: 92-TETRA GA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber NH4Cl (N/A)(Cl-)	DG9T-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (5 vials per kit)-SO3S kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	AG0U-100 mL Amber Unpreserved-vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).